I N D E X

NIT No.: 225/EE/2026-27/PaWD-I/Delhi

Name of work	:	**A/R & M/O to MP's Flats/Bungalows under Sub Div-IV of PaWD-I, dg 2026-27. (SH: Miscellaneous Work at Bungalow 80 Lodhi Estates.)**
Estimated Cost	:	₹. **45,36,117**/-
Earnest Money	:	₹. **90,722**/-
Security Deposit	:	2.5% of the tendered value
Performance Guarantee	:	(a) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher). (b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.
Time of execution	:	

Sl. No.	Description	Page
1.	Index	1
2.	Notice Inviting Tender (CPWD-6) & Instructions for contractor for e-tendering	2-8
3.	CPWD-7	9-18
4.	List of Approved Makes	19-33
5.	Bank Guarantee Bond	34-35
6.	General Specification	36-40
7.	Additional Conditions	41-45
8.	Memorandum issued vide No. DG/SOP-2024/02 dated 04.09.2024	46
9.	Memorandum issued vide No. DG/23 dt. 25.03.2026	47
10.	Special Conditions as per NGT Guidelines	48-51
11.	Performa Of Verification of CPWD Contractor Workers	52-53
12.	Schedule of quantity	54-73

Certified that this NIT contains **1 to 73 (One to Seventy Three)** pages only excluding cover.

This NIT is approved for ₹. **45,36,117**/-only

सहायक अभियन्ता (यो.)
सं.नि.मं. -I, के.लो.नि.वि.,
नई दिल्ली.

कार्यपालक अभियन्ता
सं.नि.मं. -I, के.लो.नि.वि.,
नई दिल्ली.

Addition: NIL ***Overwriting: NIL*** ***Correction: NIL*** ***Deletion: NIL***

CPWD

CPWD-6 FOR e-TENDERING

1. **Online** Percentage Rate bids (CPWD-7) are invited on behalf of President of India on single bid system from CPWD enlisted contractors of appropriate class in building category for the following work:-
Name of Work: A/R & M/O to MP's Flats/Bungalows under Sub Div-IV of PaWD-I, dg 2026-27. (SH: Miscellaneous Work at Bungalow 80 Lodhi Estates.) The enlistment of the contractor should be valid on the last date of submission of bids.
In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.

1.1 The work is estimated to cost ₹. **45,36,117/-** This estimate, however, is given merely as a rough guide.

2. Agreement shall be drawn with the successful bidders on prescribed Form No. C.P.W.D.-7 which is available as a Govt. of India Publication and also available on website www.eprocure.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

3. The time allowed for carrying out the work will be **30 Days** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.

4. (i) The site for the work is available ~~or the site for the work shall be made available in parts as specified below :-~~

5. The bid document consisting of plans, specifications, the schedule of quantities of the various types of items to be executed and the set of terms and conditions of the c7ontract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website www.etender.cpwd.gov.in or ww.cpwd.gov.in free of cost.

6. After submission of the bid the contractor can re-submit revised bid any number of times or withdraw it before last date and time of submission of bid as notified. No post-tender modification is allowed by the tenderers except through negotiations, if required. In case, any tenderer does so, the tender will be rejected and the tenderer will be debarred for future tendering in CPWD for two years by the concerned enlisting authority (in case of CPWD enlisted contractor) and by the concerned CE/SE (in case of non-enlisted contractor).

7. While submitting the revised bid, contractor can revise the percentage rate any number of times but before last time and date of submission of bid as notified.

8. When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.

9. Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks (drawn in favour of Executive Engineer, Parliament Works Division-I, CPWD, I P Bhawan, New Delhi) shall be scanned and uploaded to the e-Tendering website within the period of bid submission. EMD shall be made from the account of the bidder submitting the bid, if issued from the account other than that of the bidder submitting the bid shall not be accepted. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by the tender inviting EE in the NIT.
This receipt shall also be uploaded to the e-tendering website by the intending bidder upto the specified bid submission date and time.
A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or ₹. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any Commercial Bank having validity for a period of 90 days for single bid works and 180 days for two bid system or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

The earnest money given by all the tenders except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, which is earlier. However, in case of two/three bid system earnest money deposit of bidder unsuccessful during technical bid evaluation etc. should be returned within 30 Days of declaration of result of technical bid evaluation.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only along with physical EMD of the scanned copy of EMD uploaded within a week physically in the office of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.

The bid submitted shall be opened at 03:30 PM on 09.11.2026.

10. The Bid submitted shall become invalid if:
    (i) The bidders are found ineligible.
    (ii) The bidder does not upload scanned copies of all the documents as stipulated in the bid documents.
    (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
    (iv) If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
    In case of invalid bid as above, the bidder/s shall not be allowed to participate in the retendering process of the work.

11. The contractor whose bid is accepted will be required to furnish performance guarantee as mentioned in Schedule E and within the period specified in Schedule F. This Guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with tender shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC, BOCW Welfare Board, GST and Programme Chart (Time and Progress) within the period specified in Schedule F.

12. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstance which may influence or effect their bid. A bidders shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools and plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plants etc., will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.

14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
16. The contractor shall not be permitted to bid for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
17. No Engineer of Gazetted rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
18. The bid for the work shall remain open for acceptance for a period of 30 (Thirty) days from the date of opening of bids in case of single bid system and ~~75 (Seventy five) days from the date of opening of technical bids in case bids are invited in 2 or 3 bid system~~. Further:
    (i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
    (ii) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
    (iii) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.
19. This Notice inviting Bid shall form a part of the contract document. The successful bidders/ contractors, on acceptance of his bid by the Accepting Authority, shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
    a) The Notice inviting Bid all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
    b) Standard C.P.W.D Form -7 or other standard CPWD Form as applicable.
    c) A new provision of Integrity Pact has been introduced in the GCC 2023 Maintenance Works. At the time of submission of tender/bid, it shall be mandatory to sign the Pact by the bidder/contractor failing which the tenderer/bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.
20. The intending bidders are required to update their profile in CPWD e-tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Executive Engineer/Assistant Engineer (Phone No. 01123370180 e-mail id: eepawd1@gmail.com) or ERP help line No.18001803286 or e-mail id cpwd.support@techmahindra.com. The e-tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.

Annexure 20A.13.1

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING FORMING PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE

The Executive Engineer, Parliament Works Division I, CPWD, I.P. Bhawan, New Delhi invites on behalf of President of India, **Online Percentage** rate bids (CPWD-7) on single bid system from CPWD enlisted contractors of appropriate class in building category for the following work: -

Sl. No.	NIT No.	Name of work & Location	Estimated cost put to Bid/Tender	Earnest Money	Time of completion	Last date & time of submission of Eligibility and financial bids, EMD and other documents as specified.	Date & time of opening of bid
1.	**225/EE/2026-27/PaWD-I/ Delhi**	**A/R & M/O to MP's Flats/Bungalows under Sub Div-IV of PaWD-I, dg 2026-27. (SH: Miscellaneous Work at Bungalow 80 Lodhi Estates.)**	**₹. 45,36,117/-**	**₹. 90,722/-**	**30 Days**	**09.11.2026 Up to 03:00 PM**	**09.11.2026 at 03:30 PM**

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and is in possession of all the documents required.
2. Information and Instructions for bidders posted on website shall form part of bid document.
3. The bid document consisting of specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.etender.cpwd.gov.in or www.cpwd.gov.in free of cost.
4. Bidders are advised to keep visiting the above mentioned web-sites from time to time (till the deadline for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities to submit the applications complete in all respect including updates thereof, if any. An incomplete application may be liable for rejection.
5. But the bid can only be submitted after depositing of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand draft or Bankers Cheque or Fixed Deposit Receipts or/and Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/AE), CPWD and other documents as specified.
6. The intending bidder is required to update his profile on new e-tender website https://etender.cpwd.gov.in. Information on updation of profiles is available on CPWD website https://www.cpwd.gov.in vide circular : https://www.cpwd.gov.in/ WriteReadData/other_cir/50798.pdf.
7. Copy of enlistment order and other documents as specified in the tender documents for eligibility shall be scanned and uploaded to the e-tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded document as specified in tender documents shall be submitted by the lowest bidder within a week physically in the office tender opening authority.

8. Online bid documents submitted by intending bidders shall be opened only of those bidders, who has submitted the documents as per terms of the NIT.

9. The intending bidder must have valid Class-III digital signature. The bidder need to downloading eMsigner on his system and successfully install it. The process for downloading and installing is available in the 'downloads' section of the etender website https://etender.cpwd.gov.in.

10. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.

11. Contractor can upload documents in the form of JPG format and PDF format.

12. Contractor must ensure to quote percentage above or below or at par for civil work as well as electrical portion in template (Abstract sheet). The column meant for quoting percentage in figures appears in pink colour and the moment percentage is entered, it turns sky blue. However, if a tenderer does not quote any percentage above/below on the total amount of the tender or any section/sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

13. List of Document to be scanned and uploaded within the period of bid submission:

i) **Banker's Cheque of a Commercial Bank or Account Payee Demand Draft of a Commercial Bank, Fixed Deposit Receipt (FDR) of a Commercial Bank or Insurance Surety Bonds or Bank Guarantee (for balance amount as prescribed) from a Commercial Bank against EMD and EMD shall be made from the account of the bidder submitting the bid, if issued from the account other than that of the bidder submitting the bid shall not be accepted.**

ii) **Copy of Enlistment Order of CPWD Contractor in appropriate class of composite category.**

iii) **Copy of receipt for deposition of original EMD issued from division office of any Executive Engineer (Including NIT issuing EE/AE), CPWD.**

iv) **Copy of G.S.T Registration Certificate.**

v) **Copy of Certificate of ERP Training through any of the CPWD Regional Training Institutes (RTIs) or through the National CPWD Academy (NCA), Ghaziabad or through any other special training arranged by ERP unit at CPWD Headquarter.**

Assistant Engineer (P)
Parliament Works Division-I,
CPWD, New Delhi

Executive Engineer
Parliament Works Division-I,
CPWD, New Delhi
(Office Tel. No.: 23379656)
(e-mail ID: eepawd1@gmail.com)

Addition: NIL ***Overwriting: NIL*** ***Correction: NIL*** ***Deletion: NIL***

20A. 13 Information and Instruction for Contractors for e-tendering forming part of NIT and to be posted on website.

1. **Information and instruction for Contractor will form part of NIT and to be uploaded on ITI website.**
2. **The intending bidder must have Class-III digital signature to submit the bid.**
3. **The contractor can deposit original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The contractor shall obtain the receipt of EMD from the concerned Executive Engineer (including NIT issuing EE/AE) in the prescribed format uploaded by NIT issuing Executive Engineer. The bid document as uploaded can be viewed and downloaded free of cost by anyone including intending bidder. But the bid can only be submitted after uploading the mandatory scanned documents such as** Banker's Cheque of a Commercial Bank or Account Payee Demand Draft of a Commercial Bank, Fixed Deposit Receipt (FDR) of a Commercial Bank or Insurance Surety Bonds or Bank Guarantee (for balance amount as prescribed) **from a Commercial Bank towards EMD in favour of respective Executive Engineer, copy of receipt of original EMD and other documents specified in the press notice.**

20A. 14 Information and Instruction for Executive Engineer for e-tendering

1. The Executive Engineer of all divisions including NIT issuing Division/sub-division of CPWD should receive the original EMD for tender of other division.
2. The NIT approving authority/EE at the time of issue of NIT shall also fill and upload the following prescribed format of receipt of deposition of original EMD along with NIT:-

Receipt of deposition of original EMD

(Receipt No……*……../Date……*…..……)

1.	**Name of work :**	**A/R & M/O to MP's Flats/Bungalows under Sub Div-IV of PaWD-I, dg 2026-27. (SH: Miscellaneous Work at Bungalow 80 Lodhi Estates.)**
2.	**NIT No.:**	**225/EE/2026-27/PaWD-I/Delhi**
3.	**Estimated Cost:**	**₹. 45,36,117/-**
4.	**Amount of Earnest Money Deposit:**	**₹. 90,722/-**

5. Last Date of submission of bid: 09.11.2026

(* To be filled by EMD Receiving Officer)- **Earnest Money in the form of** Banker's Cheque of a Commercial Bank or Account Payee Demand Draft of a Commercial Bank, Fixed Deposit Receipt (FDR) of a Commercial Bank or Insurance Surety Bonds or Bank Guarantee (for balance amount as prescribed) from a Commercial Bank **(drawn in favour of Executive Engineer, Parliament Works Division-I, CPWD, I.P. Bhawan, New Delhi)**

1. Name of Contractor..#……..
2. Form of EMD…#…..……...……
3. Amount of Earnest Money Deposit. #……..……
4. Date of Submission of EMD. #……..……
5. Email ID of Contractor. #.....……...

Signature, Name and Designation of EMD receiving officer (EE/AE(P)/AE/AAO) alongwith Office stamp

(# to be filled by EMD Receiving EE or NIT issuing EE/AE as the case may be)

3. The Executive Engineer receiving EMD in original form shall examine the EMD deposited by the bidder and shall issue a receipt of deposition of earnest money to the agency in a given format uploaded by tender inviting EE. The receipt can also be issued by the AE(P)/AE/AAO.
4. The Executive Engineer receiving original EMD shall also intimate tender inviting Executive Engineer about deposition of EMD by the agency by email/fax/telephonically.
5. The original EMD receiving Executive Engineer shall release the EMD after verification from the e-tendering portal website (https://etender.cpwd.gov.in/>tender free view>Advance search>awarded tenders) that the particular contractor is not L-1 tenderer and work is awarded.
6. The tender inviting Executive Engineer will call for original EMD of the L-1 tenderer from EMD receiving Executive Engineer immediately.

के.लो.नि.वि. /C.P.W.D.- 7

भारत सरकार GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग CENTRAL PUBLIC WORKS DEPARTMENT

राज्य STATE :- Delhi. परिमंडल CIRCLE:- --

शाखा BRANCH :- B & R मंडल DIVISION :- PaWD-I

अंचल ZONE :- NDZ-II उपमंडल SUB-DIVISION :- IV

सिविल कार्यो के लिए प्रतिशत दर निविदा एवं संविदा
Percentage Rate Bid/Tender & Contract for works

कार्य के लिए निविदा :**Tender for the work of :- A/R & M/O to MP's Flats/Bungalows under Sub Div-IV of PaWD-I, dg 2026-27. (SH: Miscellaneous Work at Bungalow 80 Lodhi Estates.)**

(i) To be uploaded by **15:00 Hours on 09.11.2026** at https://etender.cpwd.gov.in.

(ii) To be opened in presence of tenderers who may be present at **15:30 Hours on 09.11.2026** in the office of The **Executive Engineer, PaWD-I**, CPWD, New Delhi.

Issued to …#….._____

(Contractor)

Signature of officer issuing the documents …#….._____

Designation _____ Executive Engineer …#….._____

Date of issue: #

निविदा TENDER

मैने/हमने कार्य के लिए निविदा आमंत्रण सूचना, अनुसूची–क, ख, ग, घ, ड. और च, लागू विनिर्देश, नक्शे एवं डिजाइन, सामान्य नियम एवं निर्देश ठेके के उपबंध विशिष्ट शर्तें, दर अनुसूची एवं अन्य कागजात तथा ठेके की शर्तो में दिये गए नियम तथा निविदा कागजात में उल्लिखित अन्य बातों को पढ़ व जांच लिया है।

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

मैं/हम, एततद्वारा भारत के राष्ट्रपति के लिए अनुसूची 'च' विनिर्दिष्ट समय के अन्दर विनिर्दिष्ट कार्य, यथा–मात्राओं की अनुसूची तथा सभी संबंधित विनिर्देशों, डिजाइनों, नक्शों के अनुरूप तथा सामान्य नियमावली के नियम–1 और ठेके की शर्तो के खंड–11 में उल्लिखित लिखित अनुदेशों एवं ऐसी सामग्रियों, जो प्रदान की जाती हैं और उसके संबंध में, ऐसी शर्तें जो लागू हो, के अनुरूप निष्पादन हेतु निविदा देता हूं/देते हैं।

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

हम निविदा को, इसके खोले जाने की निर्धारित तारीख से 30 (तीस) दिन यदि निविदायें 1 बोली पद्धति से आमंत्रित की गयी हों और ~~75 (पचहत्तर) / यदि निविदायें 2 एवं 3 बोली से आमंत्रित की गयी हों तो तकनीकी बोली खुलने की तारीख से~~ (जो लागू न हो उसे काट दें) के लिए खुला रखने तथा इसकी शर्तों एवं निबंधनों में, किसी प्रकार का परिवर्तन करने के लिए सहमत हैं।

We agree to keep the tender open for 30 (**Thirty) days from the date of opening of bids in case of single bid system ~~and 75 (Seventy five) days from the date of opening of technical bid in case bids are invited on 2 or 3 bid system~~** (strike out as the case may be) and not to make any modification in its terms and conditions.

A sum of ₹ 90,722/- is hereby forwarded in Banker's Cheque of a Commercial Bank or Account Payee Demand Draft of a Commercial Bank, Fixed Deposit Receipt (FDR) of a Commercial Bank or Insurance Surety Bonds or Bank Guarantee (for balance amount as prescribed) from a commercial Bank **as earnest money. Copy of receipt for deposition of original EMD issued from division office of any Executive Engineer, CPWD is scanned and uploaded within the period of bid submission (The EMD document shall be issued from the place in which the office of receiving division office is situated).** EMD shall be made from the account of the bidder submitting the bid, if issued from the account other than that of the bidder submitting the bid shall not be accepted. If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/ We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

इसके अतिरिक्त मैं/हम सहमत हैं कि उपर्युक्त बयाना राशि या निष्पादन गारंटी जब्त हो जाने के मामले में मुझे/हमें कार्य की पुनः निविदा प्रक्रिया में भाग लेने से रोक दिया जाएगा।

Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

मैं वचन देता हूं तथा पुष्टि करता हूं/हम वचन देते हैं तथा पुष्टि करते हैं कि पात्रता के लिए समान निर्माण कार्य को बैक टू बैक आधार पर एक अन्य ठेकेदार द्वारा नहीं करवाया गया है। इसके अलावा यदि इस प्रकार का उल्लंघन विभाग की जानकारी में आता है तो मुझे/हमें भविष्य में केलोनिवि में निविदा देने से हमेशा के लिए वंचित कर दिया जाएगा। साथ ही, यदि कार्य के प्रारंभ होने की तारीख से पहले इस प्रकार का उल्लंघन विभाग की जानकारी में आता है तो भारसाधक इंजीनियर को बयाना राशि जमा/कार्य निष्पादन गारंटी की समग्र राशि जब्त करने की स्वतंत्रता होगी।

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

मैं/हम एतत्द्वारा घोषणा करते हैं कि मैं/हम निविदा कागजातों, नक्शों और कार्य से संबंधित अन्य अभिलेखों को गुप्त/गोपनीय कागजात के रूप में रखेंगे और उनसे प्राप्त/ली गई जानकारी किसी अन्य को, जिन्हें मैं/हम सूचित करने के लिए प्राधिकृत हों, से भिन्न किसी को, नहीं बताएंगे या जानकारी को किसी ऐसे रूप में प्रयोग नहीं करेंगे जो राज्य की सुरक्षा के लिए प्रतिकूल हो।

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

तारीख Dated .....

ठेकेदार के हस्ताक्षर Signature of Contractor

डाक पता Postal Address #

साक्षी Witness : #

पता Address: #

उपजीविका Occupation : #

स्वीकृति /ACCEPTANCE

मै भारत के राष्ट्रपति की ओर से तथा उनके लिए रु0: - *---------- (रूपए *----------) की राशि के लिए उपर्युक्त निविदा (अधोलिखित पत्रों के अनुसार परिवर्तित) स्वीकार करता हूं।

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs. *_____

(Rupees*_____)

नीचे दिए गए पत्र इस ठेका करार का हिस्सा होंगे।

The letters referred to below shall form part of this contract Agreement: -

I) *

ii) *

iii) *

भारत के राष्ट्रपति की ओर से तथा उनके लिए
For & on behalf of the President of India.

हस्ताक्षर Signature .....

तारीख Dated *…….....

पदनाम Designation.....

*** To be filled in by EE**

 # To be filled by the contractor

सिविल कार्यों' की अनुसूचियां PERFORMA OF SCHEDULES

अनुसूची 'क' SCHEDULE 'A'

मात्राओं की अनुसूची (संलग्न)

Schedule of quantities **Enclosed**

अनुसूची 'ख' SCHEDULE 'B'

ठेकेदार की निर्गत की जाने वाली सामग्रियों की अनुसूची

Schedule of materials to be issued to the contractor

क्रम. सं. S.No.	मद विवरण Description of item	मात्रा Quantity	जिस दर पर सामग्रियां ठेकेदार को प्रभावित होगी वह दर अंकों एवं शब्दों में Rates in figures & words at which the material will be charged to the contractor	निर्गत स्थान Place of Issue
1	2	3	4	5
-----NIL-------- *(Material required for the work shall be arranged by the Contractor)*				

अनुसूची 'ग' SCHEDULE 'C'

ठेकेदार को भाड़े पर दिए जाने वाले औजार एवं संयत्र

Tools and plants to be hired to the contractor

क्रम. सं. S.No.	विवरण Description	भाड़ा प्रभार प्रतिदिन Hire charges per day	निर्गत स्थान Place of Issue
1	2	3	4
-----NIL--------			

अनुसूची 'घ' SCHEDULE 'D'

कार्य के लिए विषेष अपेक्षाएं/दस्तावेज, यदि कोई हों, की अतिरिक्त अनुसूची

Extra schedule for specific requirements/documents for the work, if any - **General Conditions, Additional Conditions, Additional Specifications, List of approved make etc. Enclosed**

अनुसूची 'ङ' SCHEDULE 'E'

ठेके की सामान्य शर्तो का संदर्भ Reference to General Conditions of contract-General Conditions of Contract for CPWD works - 2023 **(maintenance work) as amended/modified upto the previous day to last date of submission of Bid**

कार्य का नाम/Name of Work: - A/R & M/O to MP's Flats/Bungalows under Sub Div-IV of PaWD-I, dg 2026-27. (SH: Miscellaneous Work at Bungalow 80 Lodhi Estates.)

कार्य की अनुमानित लागत **Estimated cost of work : ₹. 45,36,117/-**

(i)	धरोहर राशि Earnest money	**₹. 90,722/-** (to be returned after receiving performance guarantee)
(ii)	निष्पादन गारंटी Performance guarantee	(a) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher). (b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.
(iii)	प्रतिभूति निक्षेप Security Deposit	2.5% of tendered value

अनुसूची 'च' SCHEDULE 'F'

सामान्य नियम एवं दिशानिर्देशः
General Rules & Directions

निविदा आमंत्रण करने वाला प्राधिकारी
Officer inviting tender - **Executive Engineer, PaWD- I , CPWD, New Delhi**

कार्य की मदों की मात्रा के लिए अधिकतम प्रतिशत जिससे अधिक निष्पादित मदों के लिए दरों का निर्धारण खण्ड 12.2 और 12.3 के अनुसार होगा
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3. - As per clause 12 mentioned below

परिभाषायेंः– **Definitions:**

2(vi) भारसाधक इंजीनियर
Engineer-in-Charge **Executive Engineer, PaWD-I, CPWD, New Delhi**

2(viii) स्वीकार कर्ता प्राधिकारी
Accepting Authority **Executive Engineer, PaWD-I, CPWD, New Delhi**

2(x) अतिरिक्त और लाभों को पूरा करने के लिए सामग्रियों की लागत पर प्रतिशतता
Percentage on cost of materials and labour to cover all overheads and profits **15%**

2(xi) दरों की मानक अनुसूची
Standard schedule of Rates - **DSR-2023 @ 0.973 factor on account of GST factor & Add 4.03% Cost Index with correction slips up to last date of submission of tender & Market Rates.**

2(xii) विभाग
Department **Central Public Works Department**

9(ii) मानक के.लो.नि.वि. ठेका फार्म .....
Standard CPWD Contract Form GCC 2023 (maintenance work), CPWD Form 7 as amended/ modified up to the previous day to last date of submission of bid.

खण्ड Clause 1

(i) स्वीकृति पत्र जारी होने की तारीख से निष्पादन गारंटी के प्रस्तुतीकरण के लिए अनुमत समय, दिनों में

(i) Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance **07 Days**

(ii) समय वृद्धि, दिनों में

(ii) Maximum allowable extension **with late fee @ 0.1% per day performance Guarantee Amount** beyond the period provided in (i) above **03 Days**

खण्ड Clause 2 खण्ड 2 के तहत प्रतिकर निश्चित करने वाला प्राधिकारी
Authority for fixing compensation under clause 2 CE/NDZ-II, CPWD

खण्ड Clause 2 क क्या खण्ड 2 क लागू होगा।
Whether Clause 2A shall be applicable **No**

खण्ड Clause 5 कार्य आरम्भ करने की तारीख की गणना के लिए स्वीकृति पत्र जारी होने की तारीख से दिनों की संख्या
Number of days from the date of issue of letter of acceptance for reckoning date of start **10 Days**

खण्ड Clause 5.1 **लागू नहीं / Not Applicable**

Table of Mile-stone / लक्ष्य मील–पत्थर सारणी

Mile-stones As per Table given below / लक्ष्य नीचे दी गई सारणी अनुसार

---Not Applicable--

कार्य निष्पादित करने के लिए अनुमत्य समय
Time allowed for execution of work **30 Days**

निर्णायक प्राधिकारी
Authority to decide

(i) समय विस्तार
Extension of time **Chief Engineer, NDZ-2, CPWD, New Delhi**

(ii) उपलब्धियों का पुनः अनुसूचिकरण
Rescheduling of mile stones **N/A**

(iii) कार्य पूरा करने के लिए उचित और तार्किक समय वृद्धि देने वाला प्राधिकारी
Shifting of date of start in case of delay in handing over of site **Chief Engineer, NDZ-2, CPWD, New Delhi**

खण्ड Clause 6
खंड लागू – 6 / Clause applicable –6 **Electronic Measurement Book (EMB) through CPWD ERP Portal (As per OM No. DG/23 dt. 25.03.2026, measurement shall be done by J.E.)**

खण्ड Clause 7
अंत्रिम भुगतान के लिए पात्र होने के लिए अंतिम ऐसे भुगतान के बाद कुल भुगतान एकत्रित सामग्रियों के अग्रिमों के समायोजन सहित किया जाने वाला कुल कार्य **45.36 Lakh /-**
Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment.

खण्ड Clause 7A
No Running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC, BOCW Welfare Board and GST, whatever applicable are submitted by the contractor to the Engineer-in-charge & any sub contractor engaged should also have Provident Fund code.

Whether Clause 7A shall be applicable **"Yes"**

खण्ड Clause 10 A
List of testing equipment to be provided by the contractor at site lab.

---------- As per requirement of Site----------

खण्ड Clause 10 B (ii)
Whether Clause 10 B (ii) shall be applicable - **No**

खण्ड Clause 10C **- NOT APPLICABLE**

Component of Labour expressed as percent of total value of work (Wages of labour increases/decreases as a direct result of the coming into force of any fresh law or statutory rule or order beyond the wages prevailing at the time of the last stipulated date of receipt of tender i/c extension if any).

खण्ड Clause 10CA **- NOT APPLICABLE**

Sl. No.	Material covered under this clause	Nearest Materials (other than cement, reinforcement bars and the structural steel) for which All India Wholesale Price Index to be followed	Base Price of all Materials covered Under clause 10 CA*
----Not Applicable ---			

~~* Base price of all the materials covered under clause 10 CA is to be mentioned at the time of approval of NIT.~~

खण्ड 10गग खण्ड 10गग उन संविदाओं पर लागू होगा जिसमें कार्य समापन की अवधि, अगले कालम में दर्शायी गई अवधि से अधिक अनुबंधित है।

Clause 10CC Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in the next column **Not Applicable**

मूल्य वृद्धि के लिए अन्य सामग्री, श्रम, पी.ओ.एल आदि के घटकों की अनुसूची
Schedule of component of other Materials, Labour, POL etc. for price escalation

निर्माण कार्य सामग्री के लिए सिविल घटक (खंड 10 ग के अन्तर्गत शामिल सामग्रियों को छोड़कर)/वैधुत कार्य में कुल मूल्य के प्रतिषत के रूप में प्रदर्षित
Component of Civil - (Except material covered under clause 10CA)/Electrical construction materials expressed as percent of total value of work Xm %…. …… NIL……...

श्रम के घटक के कुल मूल्य की प्रतिषत के रूप में प्रदर्षित
Component of Labour expressed as percent of total value of work ल्३ण्ण: …… NIL……...

पी.ओ.एल के घटक–कार्य के कुल मूल्य के प्रतिषत के रूप में प्रदर्षित
Component of POL expressed as percent of total value of work ँ३३३३३३ण्ण: …… NIL……...

खण्ड Clause 11 कार्य निष्पादन के लिए अनुपालन किए जाने वाले विनिर्देश
Specifications to be followed for execution of work **CPWD Specification 2019, Vol-I & II with upto date correction slips**

खण्ड Clause 12- Type of work - **MAINTENANCE WORK**

12.2 विचलन सीमा, जिसके परे खण्ड 12.2 के लिए लागू होंगे
Deviation limit beyond which clause 12.2 shall apply — **NO LIMIT** (All deviated quantities shall be Paid on agreement for Building work rates)

(As per Circular No. DG/CON/Maintenance 2023/03 dated 18.12.2023 and GCC-2023 upto date correction slips)

The completion cost shall, in no case, exceed 1.5 times the contract amount. Contractor will devise a system to keep a watch on quantum of work taken up vis-a-vis balance items required to complete defined scope of work and will give the alerts to Engineer-In-Charge before taking up extra item(s), deviation(s) so that completion cost does not exceed above limit. Work executed beyond above limit will neither be recorded nor be paid. (As per Circular No. DG/CON/Maintenance 2023/03 dated 18.12.2023)

खण्ड Clause 16

घटी हुई दरे निर्धारित करने की लिए सक्षम प्राधिकारी - **CE/NDZ-II, CPWD**
Competent Authority for deciding reduced rates

खण्ड Clause 18

List of mandatory machinery, tools & plants to be - As per requirement of work at site deployed by the contractor at site:-

खण्ड Clause 19

The contractor shall obtain a valid license under the Contract Labour (R&A) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules, 1971 before the commencement of the work, and continue to have a valid license until the completion of the work.
The contractor shall also comply with provisions of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979.

खण्ड *Clause25 –* *Place of Arbitration : New Delhi*
Dispute Redressal Committee (DRC)shall contain the following officers

Sl. No.	Constitution	Officer	Remarks
1	Chairman	**To be decided by ADG(RD)**	The concerned EE, in-charge of the work will put up the case before DRC. Appeal to this effect shall be submitted to Engineer-in-charge of major discipline.
2	Member		
3	Member		

खण्ड CLAUSE 32 : -

Requirement of Technical Representative(s) and Recovery Rate

Cost of work (Rs. In Crores)	Requirement of Technical		Minimum Experience (Years)	Designation Technical Staff	Rate at which recovery shall be made from the contractor in the event of not fulfilling
	Qualification	Number (of Major + Minor component)			
More than 15 lac to 1.5 Crore	Graduate Engineer or Diploma Engineer	1 of Major component	2 or 5 respectively	Project Manager cum planning/quality/Site/billing Engineer	₹. 15,000/- per month per person

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

Diploma holder with minimum 10 years relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

खण्ड Clause 38

(i) क) सीमेन्ट और बिटुमन की अनुमानमूल मात्रा निर्धारित करने के लिए अनुसूची/विवरण **केलोनिवि द्वारा मुद्रित दिल्ली दर अनुसूची. 2023**

(i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of **Delhi Schedule of Rates 2023 printed by C.P.W.D.**

(ii) अनुमानमूलक मात्राओं में अनुमत्य विचलन
Variations Permissible On Theoretical Quantities

क) सीमेन्ट
(a) Cement

जिन कार्यो के लिए निविदा में अनुमानित मूल्य रू. 5 लाख से अधिक न हो
For works with estimated cost put to tender not more than Rs. 5 lakhs — **3% plus/minus**

जिन कार्यो के लिए निविदा में अनुमानित मूल्य रू. 5 लाख से अधिक हो
For works with estimated cost put to tender more than Rs. 5 lakhs — **2 % plus/minus**

ख) बिटुमन सभी कार्यो के लिए
(b) Bitumen for all works — **2.5% plus only & nil on minus side**

ग) इस्पात प्रत्येक व्यास, कोट और श्रेणी के लिए पूनर्वलन और संरचनात्मक इस्पात काट
(c) Steel Reinforcement and structural steel sections for each diameter, section and category. — **2% plus/minus**

घ) सभी अन्य सामग्रियां
(d) All other materials — **Nil**

अनुमत्य विचलन से अधिक की मात्राओं के लिए वसूली दरें
RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

क्रम सं. Sl No.	मद विवरण Description of item	अंको औ शब्दों में वह दर जिस पर ठेकेदार से वसूली की जाएगी Rates in figures and words at Which recovery shall be made from the Contractor	
		अनुमत्य विचलन से अधिक उपयोग Excess beyond permissible variation	अनुमत्य विचलन से घटाया उपयोग Less use beyond permissible variation
1.	~~Cement~~	N.A.	N.A.
2.	~~Steel reinforcement~~	N.A.	N.A.
3.	~~Structural Sections~~	N.A.	N.A.

LIST OF PREFERRED APPROVED MAKE OF MATERIALS
(FOR CIVIL WORKS)

Specification/brands names of materials (Refer materials, whichever are applicable for the scope of work) and finishes approved by the **Architect/Engineer-in-Charge** are listed below. However, approved equivalent materials and finishes of any other specialized firms may be used, in case it is established that the brands specified below are not available in the market and subject to approval of the alternate brand by the **Architect/Engineer-in-Charge**, (See also conditions of contract).

Sl. No.	Material	Approved Make
1	**CEMENT**	
	(a) OPC, PPC Gray	ACC Birla-Uttam J.K. Cement, Ultratech Shri Ultra , Ambuja J.P. Rewa Vikram Bangur Wonder, Roff
	(b) White Cement	J.K. White Birla White
2	**STEEL**	
	(a) Reinforcement bars fe-500, fe-600	TATA-TISCO SAIL RINL JSW Jindal Panthor
	(b) Structural Hollow Tubes/Pipes, Hot Finished Welded Tubes Seamless & ERW types tubes	TATA SAIL, RINL, Jindal, Prakash Steel Tubes, Apollo.
	(c) Structural M.S. Section, I-Section, Channels, Angle, Tee & Flats etc.	TATA Jindal (Hisar) SAIL, TISCO, Prakash Steel Tubes, Apollo.
	(d) Stainless steel pipe and fittings	Jindal Stainless Steel Ltd., Tata Steel, APL Apollo Tubes.

3	**ALUMINIUM**	
	(a) Aluminium Door, Window (Factory Made) High End Aluminium	Fenesta Building Systems, AIS Asahi Glass, Aternia (Hindalco) Ozone Alumil Systems India, J.K. Toughened Glass Works, Arcuzo Décor, Alumil Buildmate, Closma, PABROS
	(b) Aluminium Section	Jindal, Hindaloc, Indalco, PABROS
	(c) Anodised Aluminium Hardware (Heavy duty)	Hardima, Ozone Everite, Sigma, Argent, Gealan. Closma, PABROS
4	**WOOD WORK**	
	(a) Block Board & Plywood, Veneer	Duro, National, Kit ply, Bhutan Tuff, Greenlam, Century Ply, Merino, Archid, E3.
	(b) Flush Door Shutters (Decorative / Non Decorative) Factory Made	Kitlam, National, Kitply, Century ply board, Greenlam, Duro Door, Merino, Archid, E3.
	(c) Fire Check Door (Wooden)	Romat, Promat, Greenlam, Mikasa.
	(d) Lamination sheet (Mica)	Greenlam, Marino, Century, New mika, Archidlam, Archid, E3.

	(e) Prelaminated HDMHR Board (Fungus, Termite, Borer, Moisture resistant).	Century, Archidpanel, Archid, E3.
	(f) BWP-High density fibre board – Marine grade	Century, Marino, Archid, E3.
	(g) Door Fittings	
	(i) MS Fittings	B&R Dorma, Kich Godrej, Harrison, Hettich, Hafelle, Ozone.
	(ii) Aluminium Fittings	B&R Dorma, Kich Godrej, Harrison, Hettich, Hafelle, Ozone. Closma
	(iii) Brass Fittings	B&R Dorma, Kich Godrej, Harrison, Hettich, Hafelle, Ozone.
	(iv) SS Fittings	B&R Dorma, Kich Godrej, Harrison, Hettich, Hafelle, Ozone.
	(v) Sliding door bolt	B&R Dorma, Kich Godrej, Harrison, Hettich, Hafelle, Ozone.
	(h) Automatic sliding door System and Fittings	Ozone Dorma Godrej.

	(i) Stainless Steel Telescopic draw channel	Ozone Dorma Godrej, Harrison, Hettich, Hafelle,
	(j) UPVC window/doors	Fenesta, Adwin, Saint-Gobain, Veka, PABROS
5	**FINISHING WORK**	
	(a) Synthetic enamel paint	Asian Paints-Apcolite Lusture finish white. ICI Make-Dulux gloss. Jenson & Nicholson-Brolac –gloss Polyurethane Enamel. JK Maxx.
	(b) Water proofing cement paint	Snowcem India Ltd.-Super snowcem decorative. Asian Paints-Plaster Coat. Jenson & Nicholson-Robbiacem Super Cement Paint.
	(c) Plastic/Acrylic emulsion paint	Dulux-Velvet Touch. Kansai Nerolac Paint-Emulsion. Asian Paints-Royale Luxury Emulsion. Jenson & Nicholson-Special Effects Luxury Sheen Emulsion. JK Maxx.
	(d) Acrylic exterior paint with silicone additives	Snowcem Paint- Snowcryl XT/Mximus. Dulux-Professional Weather Shield Flexx. Asian Paints-Apex Ultima Stretch.
	(e) Acrylic exterior paint	Snowcem Paint-Trump/Alpura. Asian Paints-Ace. MIS AKZONOBEL-Weather Shield. JK Maxx.
	(f) POP	J.K. Laxmi, Sakarni, Sri Ram, Nirman & Aadhar Shree. Kamdhenu
	(g) Wall Putty	Birla Wall Care, JK Wall Care, Asian Paints. Kamdhenu Redwop
	(h) Acrylic distemper	Asian Paints- Tractor. Jenson & Nicholson-Jensolin. JK Maxx. Kamdhenu

	(i) Texture Paint	ICOS, Asian, Vista, JK Maxx. Kamdhenu
	(j) Duco Paint	Asian Paints, Nerolac. Kamdhenu
	(k) Cement Primer	Nerolac Paint-Primolite water thinable Goodlass. Snowcem Paint- Cemprover. Asian Paints- Cement Primer. Jenson & Nicholson-Water Thinable Cement Primer (Ext. & Int). J&K White cement-Primoxx. Kamdhenu
	(l) Steel Primer – Red oxide	Asian Paints, Nerolac, JK Primaxx, Kamdhenu Redwop
	(m) Wood Primer	Asian Paints-TruCare Wood Primer, Nippon Paint-Wood Primer. Kamdhenu
6	**FLOORING**	
	(a) Wooden Flooring (LVT Flooring) (SPC Flooring)	Vista, Greenlam (Mikasg), Action Tesa, Welspun Argil.
	(b) Terrazzo Tiles (Precast), Plain, Chequerred.	Nitco, Hindustan, Modern, Ultra, Unistone.
	(c) Glazed Vitrified Tiles, Double Charge tile, Polished tile	Kajaria, Somany, Nitco, RAK, Orientbell, Johnson. Varmora
	(d) Cement Concrete Tiles, Hardonite Tiles	Nitco, NTC, Hindustan, Krishna Tiles.
	(e) Glazed Ceramic Tiles	Johnson, Somany, Kajaria, Rak. Varmora

	(f) C.C. Pavers	Nitco-(Rockard), Tuftek, K.K, ESS&ESS, Modern, Dalal, Krishna Tiles.
	(g) Engineering quartz Flooring, Wall Lining	H&R Johnson, Kalinga, Corian quartz, Johnson Marble & Quartz, Diamond.
	(h) Interlocking Paver Block, Grass Paver, Precast CC Slab, Kerbstone, Kerb channel.	K.K. Manhole & Grating Co Pvt. Ltd., Dalal Unistone, Nitco & Dalal tiles Ind., ABC.
	(i) Engineer Wooden Flooring	Mikasa, Adord, Pergo.
	(J) SPC Flooring (Stone Plastic Composite)	Welspun Argil, Floorrep Samaro Responsive
7	**FALSE CEILING**	
	(a) G.I. Metallic Tiles of False Ceiling, Gypsum board alongwith frame, GRG tile alongwith frame.	Hi-Steel, Armstrong, Durlum (Steel + fiber) Saint-Gobain (Gyproc), Diamond, Royal Kraft, Aerolite, Anakon.
	(b) Integral densified light Calcium Silicate False Ceiling System Along with supporting	Aerolite, NCL, Ultralite, Armstrong (Newtone), Anakon.
	(c) Baffle False Ceiling-Aluminum/G.I.	Hi-Steel, Armstrong, Hunter Douglas, Argil, Harsons Green, Anakon, New Age.
	(d) Open cell steel ceiling	Aerolite, Armstrong, Hi-Steel, Durlum, Anakon.

	(e) Mineral Fibre	Armstrong, Hunter, Douglas, Durlum, Hi-Steel, Saint-Gobain.
8	**WATER SUPPLY FITTINGS**	
	(a) G.I. Pipes	Tata, Jindal – Hissar, Parkash Steel Tubes.
	(b) G.I. Fittings (Malleable Cast Iron)	UNIK, ICS, UK, Sury, KS, AMCO, AVR, NVR, RR. KM.
	(c) C.P. Brass Fittings	Jaquar Roca, Kohler, Grohe.
	(d) UPVC Pipe	Supreme, Prince, Finolex, Astral, Vigor Plast India.
	(e) PVC/Synthetic Water Tank/Loft Tank	Sintex, Storax, Unitank,
		Uniplast, Astral, Sheetal, Asian.
	(f) SMC (Sheet Moulded Compound) Panel Tank	Sintex, Amitex, Sovisy, Devi Polymer.
	(g) Stainless Steel Tank	Paqos Enjoy Water, Nector, Atlas, Sun Steller, Neropure.
	(h) PTMT Fittings	Prayag, Shakti, Polytuf.

9	**SANITARY**	
	(a) Sanitary Fixture (Chinaware i.e. Wash basin & W.C.)	Jaquar, Grohe. Roca, Kohler,
	(b) Soil, Waste & Vents Pipes & Fittings	NECO, RIF, Babulal Bajaj Iron Foundry Mathura (HIF), SRIF, RPMF
	(c) Stone Ware Pipe & Gully Traps	Perfect, Parry, Hind, Mazza AC Pipes.
	(d) RCC Pipes-(NP-2)	Lakshmi, Sood & Sood, Jain & Co., Prince Spun Pipe, Pragati Concrete Udyog.
	(e) FRP Manhole/Trench cover/ FRP Gully Grating cover.	Dudhi (Dudhi Industries Pvt. Ltd.), Saint-Gobain.
	(f) C.I. Manholes Covers	B.C. RIF, NICO, Kajeco,
	(g) DI (Ductile Iron) Manhole cover & gratings	RBAC, Plazma,
	(h) Stainless Steel Sinks	Nilkanth, AMC, Cobra, Jayana, Allex, Salem Steel, Asian Paints.
	(i) Steel Fibre Reinforced Concrete, Manhole covers with frame and grating	K.K. Manholes, Gratings, Nitco & Dalal Tiles Ind.
10	(a) Architectural Glass hardware such as patch fittings, door closers, floor springs, handles & shower fittings (b) Advance Glass railing and partition systems suitable for modern infrastructure	Closma PABROS
	OTHER MISCELLANEOUS ITEMS	
1	APP	Roflex, STP, Dermabit, Bitumen Co. Ltd., Apex, M/s IWL India Limited, Asian Paints.
2	Bitumen	Indian Oil, Hindustan Petroleum.

3	Bevelled Edge Mirror	Atul, Saint-Gobain, Modiguard, Golden Fish. SFG.DÉCOR
4	Damp Proof Material	Impermo, Duraseal, Acco-Proof, Makphalt, Pidilite Dr. Fixit, Asian Paints. Redwop
5	Grass Paver	Unistone, Ultra, Shree, Supertile, Modern, Dalal, Krishna Tiles.
6	Hydraulic Door Closer/Floor Spring	Hardwyn, Godrej, Doorset, Dorma Hafelle. PABROS
7	Locks, Mortice lock, Latch, Cupboard lock.	Godrej, Harrison, Doorset, Hafelle.
8	Laminates	Merino, Greenlam, Lamani of Asian Prelam Industries Pvt. Ltd., New Mika, Archid, E3.
9	Water Proofing Compound	Tap Crete, CICO, Accoproof, Fosroc, Pidlite, Choksey, Makphalt, Laticrete, Asian Paints. Redwop
10	S.S. Wire Mesh	Sterling Enterprises, Trimurty Welded Mesh, Tiger Brand.

11	Polycarbonate sheet IS Code 14443-1997	GE, Macrolux, Polytechno, Danpalon, Lexan, Palram- (Isrial)
12	Anti-termite chemicals	Chloropyriphos, Lithal, Srchloro 20 TC, Durban 20, Vadh Secure, Hilban, Dursbantct, Pest Control Services of India
13	RMC	ACC, Ultra Tech, Unicon.
14	Modular kitchen accessories	Stallion, Hettich, Kaff & Ozone, Hafele
15	G.I. Profile Sheet of all patterns	SAIL, Tata, Jindal (Hisar)
16	APP Water Proofing Treatment	Tap Crete, CICO, Accoproof, Fosroc, Pidlite, Choksey, Makphalt, Laticrete, Asian Paints.
17	PVC door frames & shutters	Sintex, Rajshri Plastiwood, Sarda Plywood Industries Ltd., Globe Panel Industries.
18	Glazed GRC Tiles	Unistone, Nitco, Makrana Marble & Granites (MMG), Hindustan Tiles, Grand GRC Prefab Pvt Ltd.
19	Melamine Polish	Asain Paints, Melamine Gold wudfin, Timber Tone of ICI dulux, Pidilite.

20	Wood Plastic Composite Cladding	Century, ECOCELL, E3, KAKA, Floresta, Ecoste, Euro Pratik.
	WPC Door Frame/window Frame/Door/ Boards/Jaali/Grill/ Louvers	FalconGreen Century, Sintex,
21	Toughened Glass	Asahi India Glass Ltd, Saint-Gobain, Borosil Ltd.
22	Aluminium Composite Panel (ACP)	Alstrong, Alstone, Aludecor, Reynobond, E3.
23	Fiber Glass ready made door shutter & frame.	Ashoo, Everdoor Composites, Fibreways Technology, Ashish Industries FRP.
24	Wall paneling (UPVC)	Uniceil (Prominance), Vox, Pare.
25	PUF (Poly Urethane Foam) insulated roof sheet/panel	JSW, TATA, Heritage, SAIL, TISCO.
26	Admixture	Forsroc, MC, Sika, MBT, Asian, Choksey, Makphalt. Redwop
27	Adhesive	Pidilite, Dunlop, Latticrete, Endura, Durabuild, Dudhi, Asian Paints. Redwop
28	Adhesive Tape, Antiskid Tapes	Norton, 3M Tapes.
29	Copper Tubes, Pipes	Rajco, Max Flow ABC.

30	Copper Fittings	Yorkshine, IBP, Bconex.
31	Dash Fasteners	Hilti, Ficher, Canon, Howorth.
32	Glass Door Closer Lock	Dorma, Hardwyn, Hafelle, Doorset.
33	Drapery Rod, Venetian Blinds	Mac, Vista, Deck.
34	Roller Blinds	Vista, Hunter Douglens, Deck.
35	Elastomeric Sleeve	UP Twiga, Rocklloyd
36	Epoxy Mortar	Fosroc, Dura Build, sika BASF Choksey, Asian, Laticrete. Redwop
37	EPDM Gasket	Hanu, Anand, Deesawala Rubber Industries.
38	Fire Check Accessories Calcium Silicon Board	Fromtect.
39	Friction Stay Hinges	Earl-Bihari, Hettich, Dorma.
40	Hot Water Insulation	Glass Wool, Mineral Wool.
41	Injection Grouting	Pidilite (Dr. Fixit), Durabuild, Redwop Choksey, Endura, Makphalt, Asian Paints.
42	MS Pipe	Tata, Kesoram, Electro Steel, Parkash Steel Tubes, Jindal, Apollo.

43	Nuts, Bolts and Screws, Steel	Kundan, Priya, Atul, GKW
44	Nonmetalic Surface Hardner	MC Deritop F.H.
45	Poly-SulphideSealent	Pidilite, Tuffseal, Choksey, Durabuild, Makphalt, Asian Paints. Redwop
46	Panic Exit Device	Ingerrsoll, Hardwyn, Everest
47	Polyster Powder Coating Shades	Nerolac, J&N, Asian Paints.
48	Rolling Shutters	Rama Rolling Shutters, Joyti Rolling Shutters. Anand Industries.
49	Smoke Seal Strip	Imported Promat, Astro Flame.
50	Structural Silicone	Dow Corning, Wacker.
51	Spider Fittings	Dorma, Sevax.
52	Tile Adhesive70	CICO, Pidlite Ferrous, Ferrous, Somay (Easy fix), Laticrete, Pidelete, Redwop Coco Bal Endura, Asian Paint.
53	Tempered & Architectural glass like Insulated (DGU) Laminated glass	Modi Float, Saint-Gobain, Shankar glass Asahi, Glaverbel
54	Float Glass	Saint-Gobain, Modi, Ashai India
55	Tensile Roofing Sheet	Serge Ferrari, Sattler, Mehler.
56	Glass Film for Interior & Exterior	3M, Shibuza, Saint-Gobain, Cleas.

57	FRP Door & Chajja	Fiber ways, Fiber Engineer, Selected Door Co., Fiber Techno Products.
58	Anti-corrosive epoxy coating	(Nitozinc Primer) of FOSROC, Sikka, Pidilite Redwop
59	Acrylic Shelf	Admiral & Alpina
60	Clay Tiles on Roof	Kenzai, Johnson.
61	Reinforcement cleaning agents	(REEBAKLENS R.R.) of FOSROC, Sika® Rustoff-100 of Sika, Armstrong Chemicals Private Limited.
62	Non-re-emulsifying latex bonding	NITOBOND SBR (LATEX) of FOSROC, Sika Latex® Super of Sika, Bull-Bond. Redwop
63	Monkey deterrent spikes	Make- parry moulding, Indolite Devices, Vision Engineering, Monkey king.
64	Bird deterrent spikes	Spike zone, Pestgo Bird Spikes, Eastern Brothers Metal Products.
65	Frosted decorative sparkle film	LLUMAR, 3M.
66	Silicon Sealant	Pidilite, Forsoc, Tuffseal, Choksey Chemical, Alstone Industires, Asian Paints. Redwop
67	Fibre Glass sheet	Simcry1, Simba, Aeron
68	Low viscosity high Molecular weight thermosetting polymer	CBEX 100 of FOSROC, Astral
69	R.C. matteress, P.U. foam sheet, Plastic dustbin & PVC doormat :-	
	(a) R.C. matteress	Pearl Rupa Super Ortho model, New Ortho of Kurlon model,
	(b) P.U. foam (for sofa)	Sleepwell, Kurlon (Heera brand)
	(c) P.U. foam sheet	Sleepwell, Kurlon (Heera brand), M.M. foam
	(d) Plastic dustbin	Nayasamake, equivalent model of Cello
	(e) PVC doormat	Durosoft premium quality

70	Hybrid Polyuria based Elastmeric water proofing material	Asian Paints, Fosroc, Pidilite, Sika
71	Furniture Items	Godrej, Haworth, Steel Case, Wipro, Monarch, Delcom
72	Rock Wool	ROCKWOOL Asia, Roxul Rockwool, Sheth Insulations.
73	Glass Wool	Allied Insulations, Unidus, Indian Glasswool Industries, Gupta Glasswool Industries.
74	High Pressure Laminate (HPL)	Greenlam, ReynoArch, Stylam, Century, Archid.
75	Sunglass Film for Interior & Exterior	Saint-Gobain, Shibuza, Cleas.
76	PVC Self adhesive decorative film	Reatec, Proton, Bodaq.
77	Glass fiber wall coverings	Saint-Gobain Classic, Novelio, Newmore, Nilaya.
78	Tree Planters for Exterior & Interior	Vaso, Sereno, Yuccabe, Dudhi.
79	Towel, Bed sheet duvet cover/filler pillow, curtain, pillow cover, pillow filler, bathrobe, sofa fabric, mattresses, cushion, cushion cover, ready made curtains, table napkin, table cover.	By Adab, Design Dales, Criss Cross.
80	Bamboo Mat Corrugated Sheets (Roofing), Bamboo Mat Ridge Caps (Ridges for Roofing) & Bamboo Mat Board (False Ceiling / Partitions/ Walling / Wall Paneling	Timpack Greengold, Woodrap, Shree Manik Industries,

Note:-1) **Contractor has to bring samples as per above preferred brands only and Engineer in Charge shall approve one sample out of the samples brought by the contractor. The contractor has to use material of that approved sample only. No claim in this regard shall be entertained.**

2) **Which item not included in the list but required at site, brand will be approved before used from the Engineer-in-charge.**

Addition: NIL ***Overwriting: NIL*** ***Correction: NIL*** ***Deletion: NIL***

On non-judicial stamp paper of minimum Rs. 100

(Guarantee offered by Bank to CPWD in connection with the execution of contracts)
Form of Bank Guarantee for Earnest Money Deposit /Performance Guarantee/Security Deposit/Mobilization Advance

1. Whereas the Executive Engineer……(name of division) ……, CPWD on behalf of the President of India (hereinafter called "The Government") has invited bids under.....(NIT number).....dated…… for..... (name of work). The Government has further agreed to accept irrevocable Bank Guarantee for Rs. ..... (Rupees ……..... only) valid upto ..... (date)*..... as Earnest Money Deposit from ..... (name and address of contractor) ..... (hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

   OR

   Whereas the Executive Engineer …….(name of division) CPWD on behalf of the President of India (hereinafter called "The Government") has entered into an agreement bearing number……with .....(name and address of the contractor)…….. (hereinafter called "the Contractor") for execution of work.....(name of work) ……. The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. ..... (Rupees ……..... only) valid upto ..... (date)..... as **Performance Guarantee/Security Deposit/Mobilization Advance** from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement
2. We, ... (indicate the name of the bank)…….. (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs..... (Rupees …….. only) on demand by the Government within 10 days of the demand.
3. We, ... (indicate the name of the Bank)……., do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. ……..... (Rupees .....only)
4. We, ... (indicate the name of the Bank) ..... , further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the contractor shall have no claim against us for making such payment.

5. We, ... (indicate the name of the Bank) ……, further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor and to forbear or enforce any of the terms and conditions rerating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. We, ... (indicate the name of the Bank) ……, further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the contractor and not withstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.
7. This guarantee will not be discharged due to the change in Contractor.
8. We, ... (indicate the name of the Bank) ……., undertake not to revoke this guarantee except with the consent of the Government in writing.
9. This Bank Guarantee shall be valid up to ……unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs……. (Rupees…… only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date ……..

Witnesses :

1. Signature…….
   Name and address

Authorized signatory

Name

Designation

Staff Code no.

Bank Seal

2. Signature…….
   Name and address

*Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender. **ln paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/security deposit/mobilization advance, as the case may be.

GENERAL SPECIFICATION

1. The contractors are advised to get acquainted with the proposed work and its site and also study the Architectural Drawings, specification and additional conditions carefully before tendering. No claim of any sort shall be entertained on account of any site conditions and ignorance of specifications and additional conditions.

2. The work shall be carried out as per CPWD specifications 2019 Vol.-I to II with upto date correction slips unless otherwise specified in the nomenclature of individual items or in the specification and additional conditions, where specification are silent, the decision of Engineer-in-charge shall be final and binding on contractors.

3. The rates quoted by the contractor shall be taken as net and nothing extra shall be paid on any account i.e. royalty, cartage, GST and stacking at required place etc.

4. The rates for different items of work shall apply for all heights and depths leads and lifts unless otherwise specified in the agreement or specifications applicable to the agreement.

5. The rate for all items of work, shall unless otherwise clearly specified include cost of all labour, material and other inputs involved in the execution of the items.

6. Products manufactured by the reputed firms and approved by Engineer-in-charge shall only be used. Articles classified, as 'first quality' by the manufacturer shall be used unless otherwise specified. In case articles bearing ISI certification are not available in the market, quality of samples brought by the contractor shall be judged by standards laid down in the relevant CPWD specifications. For the items not covered by CPWD specifications relevant BIS standards shall apply. The sample of materials to be brought at site for use in work shall be got approved from the Engineer-in-charge before actual execution of work.

7. The quantities of each item shall not exceed beyond the deviation limit mentioned in **schedule-F** without prior permission of the Engineer-in-charge.

8. Factory made materials shall be procured only from reputed & approved manufactures or their authorized dealers and the decision of Engineer-in-charge shall be final and binding

9. Wherever work is specified to be done or material procured through specialized agencies, their names shall be got approved well in advance from Engineer-in-charge. Failure to do so shall not justify delay in execution of work. It is suggested that immediately after award of work, contractor should negotiate with concerned specialized agencies and send their names for approval to Engineer-in-charge. Any material procured without prior approval of Engineer-in-charge in writing is liable to be rejected. Engineer-in-charge reserved his right to get the materials tested in laboratories of his choice before final acceptance. Non-Standard material shall not be accepted.

10. **Full quantity of material(s) required for finishing items and cement based putty (applied @ 14.58 kg/10 sqm. for average thickness 1 mm), purchased from authorized dealers with their cash memos shall be deposited with the J.E. concerned well before commencement of work.**

11. **Acrylic smooth exterior painting/ plastic emulsion painting/ distempering over walls shall only be carried out with application of roller.**

12. The material such as paints, varnish, distempers, water proofing cement paint and primers etc. as required shall be of approved brand and manufacturers, and of required shade and confirming in all respects to the relevant I.S. specifications, such materials of either of the attached make list of companies shall only be brought to the site of work.

13. a) The manufacturing date and batch No. will be inscribed or printed on packs/containers by manufacturers are acceptable for all the finishing materials. Fresh material shall be brought at site as far as possible and materials more than 30 Daysold from the date of manufacturing will be rejected.
    b) The contractor shall have to get the shades of all types of paints, distempers, water proofing cement paint etc. approved from the Engineer-in-charge before procurement of materials.

14. The contractor shall be required to produce samples of all materials sufficiently in advance to obtain approval of the Engineer-in-charge. Subsequently the materials to be used in the actual execution of the work shall strictly conform to the quality of samples approved. In case of variation, such materials shall be liable to rejection.

15. All materials to be obtained from Govt. stores or otherwise shall be got checked from the junior Engineer-in-charge of work, on receipt of the same at site before use.

16. The contractor shall get the water tests with regard to its suitability for use in the works and get written approval from the Engineer-in-charge before he proceeds with the use of same for execution of work. Nothing extra shall be paid to the contractor on this account.

17. **Testing of materials:-**

a) In case there is any discrepancy in the frequency of testing as given in the list of mandatory test and that in the individual sub-head of work as per the CPWD specification 2019 Vol-I & II with upto date correction slips the higher of the two frequencies shall be followed and nothing extra shall be payable to the contractor on this account.

b) Samples of all fittings and fixture to be provided shall be got approved from the Engineer-in-charge before this is used in the work.

c) The Engineer-in-Charge shall be at liberty to take respective sample(s) of each item of schedule of quantities in any approved laboratory as decided by him. The sample for testing shall be provided by the Contractor free of cost. All expenditure required to be incurred for taking sample, conveyance and packing & testing charges etc. shall be borne by the Contractor himself. In case any sample of particular lot fails in testing the Contractor shall be bound to replace the entire lot with fresh material of prescribed specification and the rejected lot shall be returned to the Contractor only after fresh lot is supplied. Testing charges in respect of failed sample will be borne by the Contractor himself.

18. As desired by the Engineer-in-charge samples at random shall be collected and sent for the laboratory test required as per relevant C.P.W.D. specifications or ISI Standard at National test House approved laboratory and all incidental charges in connection with the tests including cost of samples shall be borne by the contractor. The laboratory testing fees, shall be borne by the department if samples passes the test.

19. Wherever any reference to any Indian Standard Specifications occur in the documents relating to this contract, the same shall be inclusive of all amendments issued thereto or revision thereof, if any, upto the date of receipt of tender.

20. The building work shall be carried out in the manner complying in all respects with the requirement of relevant bye-laws of the local body under the jurisdiction of which the work is to be executed. The work of water supply and internal sanitary installation, external water supply & drainage and electrical work shall be carried out as per bye-laws of the local body and the contractor shall produce necessary completion certificate wherever required from such authority after completion of work. Nothing extra shall be paid on this account. The contractor shall associates specialized agencies for sanitary and water supply. The work is to be carried through licensed plumber and sanitary installation agency. For electrical work special conditions for electrical work may be seen.

21. The contractor shall be responsible for the protection of sanitary, water supply and drainage fittings and other fittings and fixtures against pilferage's and breakage during the period of installation and thereafter until the building is handed over.

22. Any damage done by the contractor to any existing work structure/services during the course of execution of the work shall be made good by him at his own cost.

23. No payment shall be made to the contractor for any damage caused by rain, snow fall, floods or any other natural causes whatsoever during the execution of work. The damage caused to work shall have to be made good by the contractor at his own cost and no claim on this accounts shall be entertained.

24. The contractor shall be fully responsible for the safe custody of the material issued or brought by him to site for doing the work.

25. Statutory deduction on a/c of GST (as decided by the Government), Income Tax & Surcharge as applicable shall be made from the gross amount of the bill.

26. **<u>Condition for cement:</u>**

1.1 The Contractor shall procure 43 grade (conforming to IS 8112) ordinary Portland cement, as required in the work, from reputed manufacturers of cement having a production capacity not less than one million tones or more per annum, such as ACC, Ultra Tech, J.P. Rewa, Vikram, LAFARGE Shri Cement, Ambuja Cement, Birla Jute & Cement Corporation of India etc. as approved by the Ministry of Industry, Government of India, and holding license to use ISI certification mark for their product. The tenderers may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name(s) of cement manufacturer(s) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufacturers, given by the tenderer, fully or partially.

1.2 The supply of cement shall be taken in 50kg. bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the Contractor shall be taken by the Engineer-in charge and got tested in accordance with provisions of relevant BIS codes. In case test results indicate that the cement arranged by the Contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the Contractor at his own cost within a week's time of written order from the Engineer-in-charge to do so.

1.3 The cement shall be brought at site in bulk supply of approximately 20 tonnes or more as decided by the Engineer-in-charge.

1.4 Every delivery of cement shall be accompanied by producer's certificate confirming that the supplied cement conforms to relevant specifications. These certificates shall be endorsed to the engineer in charge for his record.

1.5 Double lock provision shall be made to the door of the cement godown. They keys of one lock shall remain with the Engineer-in-charge or his authorized representative and the keys of the other lock shall remain with the Contractor. The Contractor shall be responsible for the watch and ward and safety of the cement godown. The Contractor shall facilitate the inspection of the cement godown by the Engineer-in- Charge at any time.

1.6 The cement shall be got tested by the Engineer-in-Charge and shall be used on the work only after satisfactory test result have been received. The Contractor shall supply free of charge the cement required for testing including its transportation cost to testing laboratories. The cost of tests shall be born by the Contractor(As per DG OM No. DG/MAN/410 dated 22.10.2021)

1.7 The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical, consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the cement consumption is less than the theoretical consumption including permissible variation, recovery at the rate show prescribed shall be made. In case of excess consumption, no adjustment will be made. No payment for excess consumption of cement will be allowed. However, for consumption lesser beyond permissible theoretical variation recovery shall be made in accordance with conditions of contract at Schedule A to F (CPWD-8) without prejudice to action for acceptance of work/item at reduced rate or rejection as the case may be.

1.8 Cement brought to site and remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-charge.

1.9 The damaged cement shall be removed from the site immediately by the Contractor on receipt of a notice in writing from the Engineer-in-charge. If he does not do so within 3 days of receipt of such notice, the Engineer-in-charge shall get it removed at the cost of the Contractor.

27. **Condition for steel:**

The contractor shall procure steel reinforcement bars confirming to relevant BIS codes form main producers approved by Ministry of steel and secondary producers or re-rollers having valid BIS license. For TMT bars confirming to relevant BIS code, procurement shall be made from main producers and secondary producers having valid BIS license. The contractor shall have to obtain and furnish test certificates to the Engineer-in-charge in respect of all supplies of steel brought by him to the site of work. Samples shall also be taken and got tested by the Engineer-in-charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to BIS codes, the same shall stand rejected and shall be removed from the site of work by the contractor at his cost within a week's time from written orders from the Engineer-in-charge to do so.

28. Condition as per Office Memorandum No. DG/SE/CM/CON/Misc./02 dated 16.03.2016

i. The contractor shall not store/dump construction material or debris on metalled road.

ii. The contractor shall get prior approval from Engineer-in-charge for the area where the construction material or debris can be stored/beyond the metalled road. This area shall not cause any obstruction to the free flow of traffic/inconvenience to the pedestrians. It should be ensured by the contractor that no accidents occure on account of such permissible storage.

iii. The contractor shall take appropriate protection measures like raising wind breakers of appropriate height on all sides of the plot/area using CGI sheets or plastic and /or other similar material to ensure that no construction material dust fly outside the plot area.

iv. The contractor shall ensure that all the trucks or vehicles of any kind which are used for construction purposes/or are carrying construction material like cement, sand and other allied material are fully covered. The contractor shall take every necessary precaution that the vehicles are properly cleaned and dust free to ensure that enroute their destination, the dust, sand or any other particles are not released in air/contaminate air.

v. The contractor shall provide mask to every worker working on the construction site and involved in loading, unloading and carriage of construction material and construction debris to prevent inhalation of dust particles.

vi. The contractor shall provide all medical help, investigation and treatment to the workers involved in the construction of building and carry of construction material and debris relatable to dust emission.

vii. The contractor shall ensure that C&D waste is transported to the C & D waste site only and due record shall be maintained by the contractor.

viii. The contractor shall compulsory use of wet jet in grinding and stone cutting.

ix. The contractor shall carry out on –road-inspection for black smoke generating machinery. The contractor shall use cleaner fuel.

x. The contractor shall ensure that the construction material is covered by tarpaulin. The contractor shall take all other precaution to ensure that no dust particles are permitted to pollute air quality as a result of such storage.

Additional Conditions

1. Since this Division is dealing with Member of Parliaments of Lok Sabha/Rajya Sabha residential buildings, the work cannot be suspended even for one day after starting the work. The Engineer-in-charge have liberty to forfeit earnest money & performance guarantee deposited by the agency, after one day notice through site order book, on the eve of suspension of work.
2. The site shall be made available in parts as it is received from client. Each time the site is available, the contractor shall be intimated through site order book or in writing and the contractor is to start the work within 3 days of such intimation, through failing which the action under clause 3 may be taken without any further notice under clause-3.
3. The malba/garbage generated at site due to construction activities shall be removed from the site immediately & shall be disposed off by the contractor to the approved dumping site identified by the Engineer-in-charge, failing of which ₹. 500/- per day shall be deducted per Bungalow/Flat from payment due to contractor. Moreover the malba is to be brought down through stair cases and will not be allowed to be thrown directly on the ground. The surplus soil/earth shall be disposed off as per the directions of Engineer-in-charge separately.
4. It is also understood that work is to be executed in vacant/occupied flats/bungalows and the work will be executed as per the convenience of the allottee and while organizing the manpower and material this aspect will be kept in view, and no claim on this account will be made but extension of time will be granted without levy of compensation for the delay caused due to the site being not available.
5. If because of any reasons work has to be stopped in any of Bungalows/Flats, it shall be responsibility of contractor to bring the facts to the notice of the either field staff or Engineer-in-charge, failing which the said period shall not be accounted for Hindrance period.
6. The contractor has to work in restricted area and in restricted time due to security reasons. He shall be bound by the instructions of security staff and Engineer-in-charge in this respect & no claim shall be entertained due to imposed restrictions of time.
7. Contractor shall provide name, father's name, residential address and other details i/c photo as may be required by the security staff for issue of photo pass to the labour deployed on work. The Department shall arrange only passes for getting into the building only, if required.
8. The contractor shall be responsible for behaviour and conduct of his workers. No worker with doubtful integrity or having a bad record shall be engaged at site of work by the contractor.
9. The contractor shall make his own arrangement for getting the permission to ply the trucks from the traffic police.
10. Other agencies may also simultaneously be executing the work of electrification, Horticulture or external services and other building works for the same bldg. alongwith this work. The contractor shall especially co-ordinate and cooperate with the other agency carrying out this work and no claim in this regard will be entertained.
11. Some restrictions may be imposed by the security staff etc. on the working and or movement of labour and materials, etc, the contractor shall be bound to follow all such restrictions / instructions and nothing shall be payable on this account.
12. The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards. He shall be responsible for all damages and accidents caused due to negligence on his part. No hindrance shall be caused to traffic during the execution of the work by storing materials on the road.

13. Due to restriction on driving slow moving vehicles/hand driven rickshaws in NDMC areas, the contractor has to make his own arrangement of motorized transportation & nothing extra shall be paid on this account. Legal action shall be taken against violation.
14. The dismantling wherever required shall be done in a manner so that no other portion of the building or its fixtures are damaged. If any damage are done to the building it shall be made good by the contractor at his own cost and no claim what so ever shall be entertained on this account.
15. The rooms/sites where the work is to be executed on any day shall be got approved from the representatives of the Engineer-in-charge at the site of work. No work shall be carried out in any room site without the approval of the representative of the Engineer-in-charge at the site of work. Such works carried out without the approvals of the representative of the Engineer-in-charge shall be rejected and will not be measured and paid for.
16. The contractor shall prepare one sample of all items which should be got approved from the Engineer-in-charge. Only on acceptance of sample work, contractor will be allowed to commence the work and (sample is to be preserved by contractor till the whole work is completed). The quality of work should be as per approved samples.
17. The contractor should note that all the items of work to be taken up in any room shall be under taken one after the other and completed, in reasonable time allotted for the same by the Engineer-in-charge and got noted by Junior Engineer-in-charge from the residents. Any items left over in any building will be got done at his cost and risk without any further notice (Entry made in the site order book by JE or AE or EE will be considered as notice to this effect) to the contractor after days from the date of entry in the site order book.
18. In order that the contractor may take daily instructions, a register docuted by Division office will be maintained at the Enquiry Office. The JE will note down the work in flats/bungalows to be attended to and the dates of which the work in these flats/bungalows is to be started. An authorized representative of the contractor will, therefore, have to visit the Enquiry Office daily and note down the instruction in the register. This register shall also be duly numbered and shall only be issued through Engineer-in-charge of work.
19. Every precaution must be taken to see that the tenant's furniture/furnishings is properly covered with tarpaulin etc. If necessary, furniture/furnishings shall be removed from the site while carrying out the repair and white washing work, in that case furniture/furnishing will be placed back. Any damage done during the course of execution of work, to the tenant's property i/c furniture/furnishing by the contractor's labour shall be compensated at contractor's cost.
20. All doors, windows, floors, furniture, electrical fittings and other articles shall be cleaned free from dust, splashes and damages. Sufficient covering for the days work shall be shown to the representative of the Engineer-in-charge before the contractor is allowed to proceed with the work. Splashes and droppings of the white washings, colour washing, distempering, painting etc. on walls, floors, doors and windows, glass panes, down take pipes, furniture, shall be removed by the contractor at his own cost and the surface cleaned simultaneously after the completion of the days work in individual room or bungalow or premises where the work is done without waiting for the actual completion of all the other items of work in contract. In case, the contractor fails to comply with the requirement of this condition the Engineer-in-charge shall have the right to get this work done at the risk and cost of the contractor either departmentally or through another agency. The representative of the Engineer-in-charge will mention in the site order book, before employing the labour at contractor's cost.
    a. For splashes of internal white wash/distemper/Acrylic distemper/Emulsion etc. = ₹. 10,000/- per bungalow/flats.

b. For splashes of external white wash/colour wash/water proofing cement paint = ₹. 10,000/- per bungalow/flat.

21. The contractor will not have any claim in case of any delay by the Engineer-in-Charge in removal of trees or shifting, removing of telegraph, telephone or electric lines (overhead or underground), water and sewer lines and other structure etc., if any which may come in the way of the work. However, suitable extension of time can be granted to cover such delay.

22. The contractor shall clean the site thoroughly by removing scaffolding, surplus materials, rubbish, equipments left out of his work and shall dress the site around the building to the complete satisfaction of the Engineer-in-charge before the work is treated as complete.

23. The contractor shall have to make his own arrangement for housing facilities for staff and labour away from construction site and shall have to transport the labour to and fro between construction site and labour camp at his own cost. No labour huts will be allowed to be constructed at the project site except a few temporary sheds for chowkidars and storekeepers. The decision about how many sheds can be allowed for chowkidars and storekeepers at project site shall rest with the Engineer-in-charge and the contractor shall have no claim on this account".

24. The contractor shall necessarily use the surface vibrator for compaction of concrete in floor slab etc. for placement of concrete at various levels tower crane of appropriate size, capacity and boom length or concrete pump shall necessarily be deployed by the contractor. However, mechanical hoist can be used by the contractor for lifting other construction materials.

25. Before starting the work the contractor shall chalk out a programme in consultation with the Junior Engineering/Asstt. Engineer-in-charge so as to inform the occupants at least one week in advance. The contractor shall have to adhere to this programme failing which he shall be held responsible for any inconvenience caused to the occupants. In order to ensure that the work is carried out according to the programme drawn, the contractor shall ensure adequate supply of the material and employ required labour strength for execution of work. In case contractor fails to arrange/employ adequate labour and stick to the programme, the Engineer-in-charge may supplement the labour, at the cost of the contractor after issue of one day's notice to the contractor. No claims for ideal labour on any account shall be entertained. The contractor shall put his authorized representatives daily at the site of work and Enquiry Office for receiving instructions from AE/JE and other inspecting officials from the department. His name and signature shall be attested by the contractor and kept on the record with the department.

26. All Sub-Standard material if brought by contractor shall be rejected and shall have to be removed by him at his cost from the site immediately and this office will not be responsible for the safe custody of the same. And Engineer-in-charge shall have powers to get it disposed in case of failure by contractor at the risk and cost of contractor.

27. The Sub-standard work shall be rejected out right and shall not be measured and no claim what so ever, shall be entertained in this regard. The decision of the Engineer-in-charge shall be final and binding in this regard.

28. Nothing extra shall be paid to the contractor for excess consumption of materials in case of the materials arranged by him.

29. Painting brushes, old dhoties, oil etc. and other petty contingencies shall be arranged by the contractor at his own cost.

30. a) The contractor shall deposit alongwith cash memos, the materials like Dry distemper, O.B.D. Varnishes, synthetic enamel paint, plastic emulsion, water proofing cement paint, primer etc. in full quantity before start of the work.

b) The material shall be supplied at the concerned office with Junior Engineer-in-charge of work and will be issued to the contractor for work from Enquiry office bungalows wise.
c) The material is to be purchased from the authorized dealer and cash memos to this effect is to be produced alongwith material. It should be ensured that the material is taken from authorized dealers and supported with challans of the manufacture.

31. The material such as paints, varnish, distempers, water proofing cement paint and primers etc. as required shall be of approved brand and manufacturers, and of required shade and confirming in all respects to the relevant I.S. specifications, such materials of either of the following companies as per list attached shall only be brought to the site of work.
32. Empty containers of the paints primer distemper OBD etc. issued to the contractor in a lot by the JE in-charge of the work will be returned to the JE by the contractor before the issue of paints etc. in next lot failing which no further materials will be issued on completion of the work, the JE-in-charge will return the empty container. However the empty containers shall be removed from the site of work/store after final bill is passed and paid.
33. The Executive Engineer has got the right to accept or reject the tender as whole or part of it and no claims what so ever will be entertained on this account.
34. The contractor and/or his authorized representative should inspect the site order book every day and got the compliance noted by the JE./AE./Engineer-in-charge.
35. No T & P shall be supplied by the Department.
36. Due to Security reason the contractor shall have to arrange time table of labour according to the security requirement staff and Engineer-in-charge instructions. The contractor should see the site before tendering.
37. The contractor shall have to bring Samples of all brands as provided in the preferred list of building materials, fittings and other articles required for execution of the work and the Engineer in Charge shall approve one sample out of the samples as brought by contractor after satisfying himself and contractor & Engineer in charge shall put their signature as token of acceptance and such samples shall be preserved till finalization of bill of the work.
38. Where ever in this NIT VAT, Service Tax & Sale Tax mentioned may be read as GST.
39. In case of urgency work can be got executed anywhere in the jurisdiction of division as per the direction of Engineer-in-Charge.
40. All needful statutory provision to be adopted at site to tackle epidemic/pandemic or similar situation of Covid-19 shall be done by the agency and expenditure on the same shall be born by the contractor.
41. The work can be stopped any time as per direction of Engineer-in-Charge & there will be no claim shall be entertained.
42. To avoid disputes later on, contractor in advised to get the measurement recorded within a week's time and shall submit his bills as per relevant clause (6A) of contact. Any dispute regarding measurement including work done shall be judged within a week's time failing which measurement, certified and recorded, shall be entertained.
43. In case of deliberate delay of recording and submission of measurements, MBs and RA bills as per clause 6 of the GCC. The Engineer-in-charge shall act and ascertain to record the measurements, MBs and RA bills after issue of 7 days notice in this regard since Engineer-in-Charge has the responsibility to engineer the contract agreement and record the measurements during progress of work.
44. As per SOP No.7/2 for CPWD Works Manual 2024 and Office Memorandum issued vide No. DG/SOP-2024/02 dated 04.09.2024 following provision have to be adhered by the contractors strictly:-

(i) It shall be mandatory for the field staff to retain the self-attested (by agencies/contractors) copies of Tax paid bills of the materials entered in the MAS Register viz., Steel, Cement, Bitumen, Paint, Primer, Distemper, Varnishes, Tile Adhesive, Admixture, Anti termite chemical, Water proofing compound material and any other item as decided by the NIT approving authority.

(ii) Self-attested copies of Tax paid bills of materials taken in MAS Register shall be obtained by the field staff from the agencies/contractors before settling the payments. In case of any doubt the same can be verified by the field staff. However, onus of genuineness of Tax paid bills rests with the agencies/contractors.

45. The contractor shall make his own arrangements for obtaining temporary electric connection, if required and make necessary payments directly to the department concerned. Nothing shall be paid by department for electricity.

46. The dismantled materials received from the work shall be the property of contractor for which the credit shall be paid on following rates: -

Sl. No.	Item description	Unit	Rate
1	Deduct for taking away dismantled old Sand cast iron S&S pipe of size received during execution of work complete as per directions of Engineer-in-charge.	kg	-22.00
2	Deduct for taking away dismantled steel of any size and shape received during execution of work such as angles, channels, G.I./M.S. sheet, RS joints etc. complete as per directions of Engineer-in- charge.	kg	-30.00
3	Deduct for taking away unserviceable material wooden door frames and shutters, Old Door shutter of any sizes, Fire Wood/ Plywood/ Board/Old Bamboo etc. received from old dismentled Wooden Door/ Window chowkhats/ frames/ ply wood/board cabinet. including fittings including loading and transportations etc. complete as per direction of Engineer-in- charge.	kg	-15.00
4	Deduct for taking away dismantled old G.I. pipe of size received during execution of work complete as per direction of Engineer in charge.	kg	-22.00
5	Deduct for taking away old C.P. brass fittings	kg	-330.00
6	Deduct for taking away old Brick	each	-2.50
7	Deduct for taking away old Alluminium fittings etc.	kg	-150.00
8	Deduct for taking away dismantled / broken polyethylene water storage tank excluding fittings.	kg	-18.00

(i) Dismantled account register shall be maintained at site by JE/AE.

(ii) Computerized slip of weight of dismantled materials from weighbridge (as approved by Engineer-in-charge) shall produce in supporting of the different dismantled materials.

(iii) The value of dismantled material arrived from the weight shall be deducted from RA/Final bill of the agency.

47. Contractor will provide 2nd class teak wood at site & after approval of the same, furniture shall be manufactured at site only. (Space will be provide by the department).

48. The Contractor shall employ their regular staff in the works and credentials of employees shall have to be given by the Contractor. No claim of Contractors' employees/staff employed for subject work in any form shall be entertained by the department. Police verification of every staff deployed by the Contractor shall be got done by the Contractor compulsorily and a copy of police verification shall be provided to Engineer-in-Charge after which an identity card duly countersigned by Engineer-in-Charge or his representative shall be issued to each employee of the Contractor for proper identification.

49. 1% (One percent) Water charges shall be recovered from the gross amount of the work done, if the contractor does not make on arrangement of water.

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/SOP-2024/02

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi Dated: 04.09.2024

Sub: Modification in SOP No.7/2 for CPWD Works Manual 2024 – Maintenance of Materials at Site (MAS) Registers regarding.

Following modifications are made in SOP No.7/2 for CPWD Works Manual 2024:

Existing Provision	Modified Provision
SOP No. 7/2: Quality Assurance and Technical Audit Wing (Refer Para 7.2)	**SOP No. 7/2: Quality Assurance and Technical Audit Wing (Refer Para 7.2)**
1. Minimum Quality Assurance Plan	**1. Minimum Quality Assurance Plan**
(ix) Maintenance of Materials at Site (MAS) Registers –	(ix) Maintenance of Materials at Site (MAS) Registers -
(a) to (d)	**No change**
(e) No provision	**(e) It shall be mandatory for the field staff to retain the self-attested (by agencies/ contractors) copies of Tax paid bills of the materials entered in the MAS Register viz., Steel, Cement, Bitumen, Paint, Primer, Distemper, varnishes, Tile Adhesive, Admixture, Anti termite chemical, Water proofing compound material and any other item as decided by the NIT approving authority.**
(f) No provision	**(f) Self-attested copies of Tax paid bills of materials taken in MAS Register shall be obtained by the field staff from the agencies/ contractors before settling the payments. In case of any doubt the same can be verified by the field staff. However, onus of genuineness of Tax paid bills rests with the agencies/ contractors.**

This is issued with the approval of DG CPWD.

4/9/2024

(दिनेश कुमार उज्जैनिया)
अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/16(1)/2024 e-file 9163623 (DFA/ 9296582)

केलोनिवि तथा लोनिवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु। (केलोनिवि वेबसाईट के माध्यम से)

04.09.24
R K SINGH
EE(Manual)

Addition: NIL ***Overwriting: NIL*** ***Correction: NIL*** ***Deletion: NIL***

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन
No. DG/SOP- 2024/23
ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Vidyut Bhawan, New Delhi Dated: 25.03.2026

Sub: Modification in SOP No. 5/20 for CPWD Works Manual 2024.

Following modification is made in SoP No. 5/20 for CPWD Works Manual 2024:

Existing Provision	Modified Provision
SOP No. 5/20: (B) ERP Electronic Measurement Book (e-MB) (Refer para 5.12.1(B))	**SOP No. 5/20: (B) ERP Electronic Measurement Book (e-MB) (Refer para 5.12.1(B))**
8. No provision	**8. Recording of measurements of annual repairs and maintenance works, special repair works, comprehensive maintenance and upgradation works of agreement amount upto Rs. 10 crores.** **In respect of annual repair and maintenance works, special repair works, comprehensive maintenance works and the upgradation works to be executed in Delhi, JE/AE (where JE are not available) shall measure the items of work jointly with the contractor and record the measurements and get the dated signature of the contractor on the record measurements of the works within 7 days and also give a copy of the same to the contractor, in case of CMB. However, in case of EMB, intimation on ERP portal may be given to the contractor for cross checking of measurements. The contractor may thereafter submit the bill on the basis of same.** **Accordingly, provision is to be made in schedule 'F' of the NIT, as the necessary amendment in the GCC has been made vide OM No. DG/CON/Maintenance 2023/19 dated 25.03.2026.**

This issues with the approval of DG CPWD.

25.03.2026

(चन्द्र पाल)
अधीक्षण अभियंता (सी एंड एम)
Chander Pal, SE (C&M)

Issued from file No. CSQ/CM/16(1)/2025 e-file 9195855(DFA/ 9356089)
केलोनिवि तथा लोनिवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु। (केलोनिवि वेबसाईट के माध्यम से)

25/3/26
K.G. Bansal
EE (Manual)

Addition: NIL *Overwriting: NIL* *Correction: NIL* *Deletion: NIL*

No. 1(10)/T&PR/2016

Government of India
Directorate General
Central Public Works Department
Technical & Public Relations Unit

Tel No. 23061584 Email: dirtech-pr.cpwd@nic.in

105-A, Nirman Bhawan,
New Delhi, Dated: **27.01.2016**

OFFICE MEMORANDUM

Sub.: Directives of the Hon'ble Supreme Court and Hon'ble National Green Tribunal on air pollution from construction and demolition activity.

Attention is drawn to the Hon'ble National Green Tribunal earlier orders dated 4.12.2014 and 10.4.2015 in OA No. 21/2014 and OA No. 95/2014 and MoEF guidelines of 2010 regarding dealing with air pollution from construction and demolition sites. The directives in this regard are restated in the Annexure enclosed.

2. Hon'ble Tribunal had directed for mandatory strict adherence and compliance of above referred orders as well as MoEF guidelines 2010 while carrying out the construction activity.

3. Hon'ble Supreme Court, in a recent judgment has favoured imposing a fine of Rs. 50,000/- on a daily basis on construction sites for generating high levels of dust in Delhi and NCR. It has been directed by the apex court that EPCA may go around and check polluting construction sites with the help of the volunteers for strict compliance of its order.

4. Accordingly, all SDGs, ADGs, CEs, CPMs, PMs are enjoined upon to strictly comply with the directives of Hon'ble Supreme Court & Hon'ble NGT and MoEF guidelines 2010 to control air pollution at CPWD construction sites. Any laxity found or reported by the checking authorities in this regard shall be viewed seriously.

This issues with the approval of Director General, CPWD.

Encl. As above.

(S. P. Chaudhary)
Director (Tech & PR)

To (**through CPWD website**)

All SDGs, CPWD
All ADGs, CPWD
All CEs/CPMs/PMs, CPWD

Directives of Hon'ble National Green Tribunal in O.A. No.21 of 2014 and O.A. No. 95 of 2014 and MoEF guidelines 2010 on Air Pollution from Construction and Demolition activity.

(A) **NGT order dated 04.12.2014:**

- No government, authority, contractor, builders or any person would be permitted to store/dump construction material or debris on metalled road.
- Beyond the metalled road the area where such the construction material or debris can be stored shall be physically demarcated by officers of all the concerned Authorities/Corporation ensuring that it would not cause any obstruction to the free flow of traffic/inconvenience to the pedestrians. It should be ensured that no accidents occur on account of such permissible storage.
- Every builder, contractor or person shall ensure that the construction material is covered by tarpaulin and all other precaution should be taken to ensure that no dust particles are permitted to pollute air quality as a result of such storage. It shall also be ensured that appropriate protection measures are taken by raising wind breakers of appropriate height on all sides of the plot/area using plastic and /or other similar material to ensure that no construction material dust fly outside the plot area and it will be the builder/contractor responsibility to ensure that their activity does not cause any air pollution during course of construction and/or storage of material or construction activity. This condition shall be strictly adhered to by every builder, contractor, person or authority. In the event of default they shall be liable to be prosecuted under the law in force, as well as for causing environmental pollution and will be liable to pay compensation which would be determined by Tribunal in accordance with law.
- All the trucks or vehicles of any kind which are used for construction purposes/or are carrying construction material like cement, sand and other allied material should be fully covered. The vehicles should be properly cleaned, should be dust free and every necessary precautions is to be taken to ensure that enroute their destination, the dust, sand or any other particles are not permitted to be released in air/contaminate air. Any truck not complying with the above directions would not be permitted to enter NCR, Delhi.

(B) **NGT order dated 10.04.2015:**

- Every builder or owner shall put tarpaulin on scaffolding around the area of construction and the building. No person including builder, owner can be permitted to store any construction material particularly sand on any part of the street, roads in any colony.

(C) Environmental Impact Assessment Guidance Manual for Building, **Construction, Township** and area Development Projects of **February, 2010 envisages the following guidelines for mitigation measures in respect of dust control from Building, Construction projects**:

"Adopting techniques like, air extraction equipment, and covering scaffolding, hosing down road surfaces and cleaning of vehicles can reduce dust and vapour emissions. Measures include appropriate containment around bulk storage tanks and materials stores to prevent spillages entering watercourses."

The other measures to reduce the air pollution on site are:

- Sprinkling of water and fine spray from nozzles to suppress the dust.
- On-Road- Inspection should be done for black smoke generating machinery.
- Promotion of use of cleaner fuel should be done.
- All DG sets should comply emission norms notified by MoEF
- Vehicles having pollution under control certificate may be allowed to ply.
- Use of covering sheet to prevent dust dispersion at buildings and infrastructure sites, which are being constructed
- Use of covering sheets should be done for trucks to prevent dust dispersion from the trucks, implemented by district offices.
- Paving is a more permanent solution to dust control, suitable for longer duration projects. High cost is the major drawback to paving.
- Reducing the speed of a vehicle to 20 kmph can reduce emissions by a large extent.

  Speed bumps are commonly used to ensure speed reduction. In cases where speed reduction cannot effectively reduce fugitive dust, it may be necessary to divert traffic to nearby paved areas.

  Material storages / warehouses — Care should be taken to keep all material storages adequately covered and contained so that they are not exposed to situations where winds on site could leadto dust / particulate emissions. Fabrics and plastics for covering piles of soils and debris is aneffective means to reduce fugitive dust.

(D) Copy of NGT orders dated 04.12.2014, 10.04.2015, copy of MoEF guidelines 2010 are available at the DPCC website "http//dpcc.delhigovt.nic.in".

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- The construction material of any kind that is stored in the site will be fully covered in all respects so that it does not disperse in the Air in any form.
- All the construction material and debris shall be carried in the trucks or other vehicles which are fully covered and protected so as to ensure that the construction debris or the construction material does not get dispersed into the air or atmosphere, in any form whatsoever.
- The dust emissions from the construction site should be completely controlled and all precautions taken in that behalf.
- The vehicles carrying construction material and construction debris of any kind should be cleaned before it is permitted to ply on the road after unloading of such material.
- Every worker working on the construction site and involved in loading, unloading and carriage of construction material and construction debris shall be provided with mask to prevent inhalation of dust particles.
- Every owner and or builder shall be under obligation to provide all medical help, investigation and treatment to the workers involved in the construction of building and carry of construction material and debris relatable to dust emission.
- It shall be the responsibility of every builder to transport construction material and debris waste to construction site, dumping site or any other place in accordance with rules and in terms of this order.
- All to take appropriate measures and to ensure that the terms and conditions of the earlier order and these orders should strictly comply with by fixing sprinklers, creations of green air barriers.
- Compulsory use of wetjet in grinding and stone cutting.
- Wind breaking walls around construction site.
- All the builders who are building commercial, residential complexes which are covered under the EIA Notification of 2006 shall provide green belt around the building that they construct. All Authorities shall ensure that such green belts are in existence prior to issuance of occupancy certificate.
- All builders shall ensure that C&D waste is transported in terms of this order to the C & D Waste site only and due record in that behalf shall be maintained by the builders, transporters and NCR of Delhi.
- Even if constructions have been started after seeking Environmental Clearance under the EIA notification 2006 and after taking other travel but is being carried out without taking the preventive and protective environmental steps as stated in this order and MoEF guidelines, 2010, the State Government, SPCB and any officer of any department as afore stated shall be entitled to direct stoppage of work.

PERFORMA OF VERIFICATION OF CPWD CONTRACTOR WORKERS

Name of work: -

Agreement No.: -

Agency Name of Worker: -

Father's / Husband Name: -

Aadhaar No.: -

Age: -

Contact No.:-

Present Address: -

Permanent Address: -

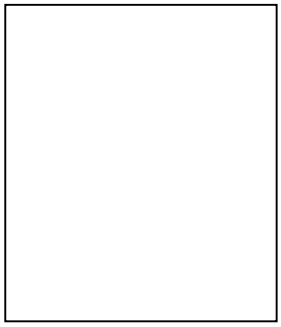
Period of Duty in Delhi: -

Two references in Delhi With Present & Permanent Address (with one other than Contractor with telephone Nos.)

(Signature of Worker) **(Signature of Contractor)**

Note: - Worker / Contractor to submit attested photocopy of the Identification of the refers.

NOTE: -	SL. NO……..
This Contractor is valid only for specified working place / place of duty. This Contractor is fully responsible for any misuse of this card beyond duty hours / days. The contractor bears responsibility for the character card holder worker.	**WORKER IDENTITY CARD** Name of Agency with Address :- Telephone No. / Mobile: - Registration No: - **VALID UPTO: - …….**

Name of worker: - Present Address: - Permanent Address: - Identification Mark: - Place of Duty: -	 Signature of Worker: - Signature of Contractor: -

Addition: NIL *Overwriting: NIL* *Correction: NIL* *Deletion: NIL*

SCHEDULE OF QUANTITY

Name of Work:- A/R & M/O to MP's Flats/Bungalows under Sub Div-IV of PaWD-I, dg 2026-27. (SH: Miscellaneous Work at Bungalow 80 Lodhi Estates.)

S.No.	Description of item	Qty.	Unit	Rate	Amount
1	By Mechanical Transport including loading,unloading and stacking				
1.1	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge. Note - Item to be applicable in urban areas having directions for restricted hours for movement/plying of load carrying motor vehicle of 3.5 cum or more.	30.00	cum	494.10	14823.00
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
2.1	All kinds of soil.	2.00	cum	260.30	521.00
3	Excavating trenches by mechinical / manual means of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, for all depth, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m:				
3.1	All kinds of soil				
3.1.1	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	5.00	metre	352.15	1761.00
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lif.	1.00	cum	196.00	196.00
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
5.1	1:1.5:3 (1 Cement: 1.5 coarse sand (zone-Ill) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	3.00	cum	8340.85	25023.00

5.2	1:2:4 (1 cement : 2 coarse sand (zone-Ill) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	2.00	cum	7878.50	15757.00
5.3	1:4:8 (1 Cement : 4 coarse sand (zone-Ill) derived from natural sources: 8 graded stone aggregate 40 mm nominal size derived from natural sources)	25.00	cum	6812.00	170300.00
6	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
6.1	Cement mortar 1:6(1 cement :6 coarse sand)	3.00	cum	7132.25	21397.00
7	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
7.1	Cement mortar 1:6(1 cement : 6 coarse sand)	4.00	cum	9105.95	36424.00
8	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
8.1	Cement mortar 1:4(1 cement :4 coarse sand)	10.00	sqm	1123.80	11238.00
9	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).				
9.1	Second class teak wood	0.45	cum	142949.70	64327.00
10	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note: Butt hinges and necessary screws shall be paid separately)				
10.1	Second class teak wood				
10.1.1	35 mm thick shutters	20.00	sqm	4111.95	82239.00
11	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick.				
11.1	Ply wood 5 ply, 9 mm thick				
11.1.1	Decorative plywood both side decorative veneer (Type - I) conforming to IS 1328 BWR type	10.00	sqm	2724.25	27243.00
11.2	Float glass panes				
11.2.1	5.0 mm thick glass panes (weight not less than 12.50 kg/sqm).	10.00	sqm	2600.45	26005.00

12	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
12.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	10.00	sqm	3473.85	34739.00
13	Providing and fixing to existing door frames.				
13.1	30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.	10.00	sqm	3720.75	37208.00
14	Providing and fixing factory made door frame (single rebate) made out of solid foam PVC extruded profile of minimum 60 mm width and minimum 30 mm thickness, having homogenous fine cellular structure and integral smooth outer skin. The frame's vertical and horizontal members to be mitered cut and joined together with PVC solvent adhesive / cement and both corners strengthened with fully threaded steel screws (of required size) fixed diagonally. The door frame is to be fixed to door jambs using 6 Nos. SS 304 grade minimum 8 mm dia CSK Phillips stainless steel self tapping screws/fasteners with PA6 grade polyamide sleeves both of required size, and gap if any between the door frame and the jamb must be filled with clear silicon, complete as per direction of the Engineer-in-Charge.	30.00	metre	696.00	20880.00

15	Providing and fixing factory made uPVC glazed/wire mesh windows/ doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and lnline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Wire mesh / Glazing of plain/ toughened/ laminated/ double glass unit with / without high performance coatings as per design requirements and conforming to IS: 3548 & IS: 16231 shall be paid separately. Note:- Structural design proof checked from a Government Engineering Institute, to be provided by the manufacturer for (i) Sites with basic wind speed > 45 m/sec as per IS 875 — Part 3 (ii) Sites with structure height more than 20m for all wind speeds				
15.1	Three track three panels sliding window with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.				
15.1.1	Using R3 series with frame (98 mm & above) x (40 mm & above) & both glazed and fly screen sash (30 mm & above) x (55 mm & above) with zinc alloy (zamak) powder coated handle on every glazed panel along with multi-point locking system. (Height upto 1.8m).	5.00	sqm	10874.20	54371.00
15.2	Casement cum fixed panel window having one single casement panel & one fixed panel with S.S 304 friction hinges as per size and weight of sash, multi-point locking system, zinc alloy (zamak) powder coated handles.				

15.2.1	Using R2 series with frame (39 mm & above) x (39 mm & above) & sash (39 mm & above) x (60 mm & above) & mullion (39 mm & above) x (60 mm & above). (Height upto 1.2 metre; each openable shutter upto 0.8m width)	2.00	sqm	9870.15	19740.00
16	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	1250.00	kg	117.35	146688.00
17	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
17.1	Hot finished welded type tubes	1550.00	kg	194.40	301320.00
18	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
18.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	200.00	kg	172.60	34520.00
19	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement :4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	10.00	sqm	1096.55	10966.00
20	Providing and laying Vitrified tiles in floor in diferent sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.				
20.1	Glazed Vitrified tiles Matt/Antiskid finish of size				
20.1.1	Size of Tile 600 x 600 mm	50.00	sqm	1464.85	73243.00
21	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
21.1	110 mm diameter	15.00	metre	377.40	5661.00

22	Providing and fixing false ceiling at all heights including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50 mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25 mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, difusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :				
22.1	12.5 mm thick tapered edge gypsum moisture resistant board	10.00	sqm	1529.10	15291.00

23	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	40.00	sqm	738.65	29546.00
24	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like difusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.				
24.1	GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.	10.00	sqm	1902.95	19030.00

25	Providing and fixing multi walled transparent /opaque 10 mm thick polycarbonate sheet of required colour blue, brown or green etc. UV co-extruded and having UV coating on one side multi walled sheet of weight not less than 1.60 to 2.05kg/sqm as approved by Engineer-in-charge. The light transmission from transparent or translucent or opaque polycarbonate sheet varies from 30 to 80% and shall be decided by engineer in charge as per requirement. The panel shall satisfy the Dart drop impact test for value above 15 and upto 60 Joules and confirm either fame retardancy of class UL-94HB/94V-0 category as per ISI4434:2023 or category VO & HB as per ASTM D635-I8 or BSI DO classification as per EN13501 for fire safety. The yellowness index tested as per ASTM E313 (DI925) shall be less than or equal to 2 or it shall be I units as per ASTM D 2244 at the time of installation and shall be less than or equal to 10 as per ASTM E313 (1) 1925) or 6 units as per ASTM D 2244 on a sample after 5000 Hours of exposure of UV / sun light. The multi walled poly carbonate sheet shall he fixed on tubular steel structure with aluminium Alcox section of size 60x18x2 mm (anodized 25 micron thick) and weight not less than 0.462 kg/metre. Weather proof Neoprene/ EPDM rubber gasket shall be fixed on both side of joints to make the whole structure water tight as per approved design/drawings. The aluminium section shall be fxed on Joints at both sides (top & bottom) of polycarbonate sheet to hold the sheets rigidly together. The weather proof neoprene gasket and aluminium profile shall be fixed and sealed with silicon sealant to make the Joints fully water proof. The open overhead ends of polycarbonate sheet to be sealed with anodised aluminium U Profile/ channel of size 10x10x 1.5 mm thick of weight not less than 0.2kg/m. The polycarbonate sheet and aluminium profile shall be fixed to MS Framed Structure with self-taping and self-drilling 55mm long steel screws to be fixed @ 300mm centre to centre. The rate shall be inclusive of cost of all material involved such as polycarbonate sheet, aluminium profile and aluminium channel, EPDM gasket, Self-taping screws, nut bolts, Silicon sealant or any other material required for fixing the sheet but excluding the cost of steel structure which shall be paid separately including hoisting the sheets and fixing in position in required scaffolding shape. The rate shall also include the cost of all T & P scafolding and safety precautions required during execution of the work. The entire work shall be executed				
25.1	10 mm thick and U- value not more than 2.50 W/m2K	25.00	Sqm	978.00	24450.00
26	12 mm cement plaster of mix:				

26.1	1:6 (1 cement: 6 coarse sand)	200.00	sqm	343.65	68730.00
27	15 mm cement plaster on rough side of single or half brick wall of mix:				
27.1	1:6(1 cement: 6 coarse sand)	100.00	sqm	395.35	39535.00
28	Polishing in high gloss/matt finish melamine clear polish on wood work in required color/wooden shade texture with following process in the sequence as detailed below: 1. The surface to be polished is rubbed with sand paper 80/120 no. and then with sand paper of 160/180 nos. 2. Applying two coats of sealer with spray gun and allowing suficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12 hrs. 3. On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine fillers to fill all the small and big holes/grooves etc. Filler coat to be allowed to dry for 4 to 6 hrs on which again a light wet rubbing is done this surface is further allowed to dry for 12 hrs. 4. On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion. using melamine clear polish and melamine thinner mixed in required. This 1st coat is allowed to dry for 24 hrs then this dry surface is again fine wet rubbed smooth, which is further allowed to dry for 12 hrs. The final melamine polish is applied with compressor pressure spray gun using melamine clear polish and melamine thinner mixed in required proportion complete as per direction of Engineer-in-Charge. (Final coat to be done in 1 or 2 layers without gap of time.)	51.00	sqm	1360.45	69383.00
29	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.				
29.1	With cement mortar 1:4 (1cement: 4 coarse sand)	80.00	sqm	560.50	44840.00
30	Dismantling wooden boardings in lining of walls and partitions, excluding supporting members but including stacking within 50 metres lead :				
30.1	Thickness above 10 mm up to 25 mm	40.00	sqm	77.75	3110.00
31	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	350.00	sqm	54.65	19128.00

32	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5 mm thick) wire of high tensile strength of 165 kg/ sq. mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	160.00	metre	375.80	60128.00
33	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
33.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	4.00	each	2648.85	10595.00
34	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	4.00	each	1683.35	6733.00
35	Providing and fixing CP Brass Single lever telephonic wall mixer of quality & make as approved by Engineer in charge. (a) 15 mm nominal dia	3.00	each	6940.75	20822.00
36	Providing and fixing soil, waste and vent pipes :				
36.1	100 mm dia				
36.1.1	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	12.00	metre	1180.75	14169.00
37	Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 (1 cement : 2 fine sand) in S.C.I./ C.I. Pipes :				
37.1	100 mm dia pipe	16.00	each	198.15	3170.00
38	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
38.1	100 mm inlet and 100 mm outlet				
38.1.1	Sand cast iron S&S as per IS: 3989	8.00	each	1996.50	15972.00
39	Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litre with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap, complete in all respect as per directions of Engineer-in-Charge.	4.00	each	18212.90	72852.00

40	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall				
40.1	15 mm nominal dia Pipes	20.00	metre	286.80	5736.00
40.2	20 mm nominal dia Pipes	40.00	metre	335.00	13400.00
41	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.				
41.1	15 mm nominal dia Pipes	10.00	metre	497.80	4978.00
41.2	20 mm nominal dia Pipes	20.00	metre	537.60	10752.00
42	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work				
42.1	15 mm dia nominal bore	10.00	metre	322.15	3222.00
42.2	20 mm dia nominal bore	40.00	metre	368.60	14744.00
43	Providing and fixing uplasticised PVC connection pipe with brass unions :				
43.1	30 cm length				
43.1.1	15 mm nominal bore	8.00	each	85.00	680.00
44	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :				
44.1	100 mm diameter	3.00	each	193.95	582.00
45	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	4000.00	per litre	11.00	44000.00
46	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
46.1	15 mm nominal bore	16.00	each	574.30	9189.00

47	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				
47.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :				
47.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.00	each	12770.55	25541.00
48	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete :				
48.1	For pipes 100 to 250 mm diameter	2.00	each	810.45	1621.00
49	Raising manhole cover and frame slab to required level including dismantling existing slab and making good the damage as required (Raising depth of manhole to be paid separately) :				
49.1	Rectangular manhole 90x80 cm with rectangular cover 600 x 450 mm of grade LD - 2.5	5.00	each	2625.50	13128.00

50	Providing and fixing in position factory made non asbestos fibre reinforced aerated cement sandwich wall/roof/floor light weight solid core panels made of light weight cement concrete core composed of OPC cement, pulverized flyash, quick lime, cotton pulp & Gypsum in mortar state mixed with aeration agent in a preset mould. The outer face on both sides of the panels will be non asbestos fibre cement board confirming to IS :14862:2000. These solid wall panels are installed using Galvanized iron steel tracks/C channel of 1 mm thick of required sizes as recommended by manufacturer's and fixed to floor and RCC soffit in plumb to each other with steel screw/fasteners. The panel shall be fixed vertically with tongue & groove joint with cement based polymer modified jointing compound. The exposed surface finished with fibre mesh/glass fibre tape with polymer based jointing compound having superior flexibility. Panels should be used as floor & roofing with additional structural support, steel or RCC depending upon the design. All the operation shall be completed in all respect as per drawings, Manufacturers specifications and under the overall direction of Engineer-in-Charge (Cost of all the material is included except "tracks/C channel" which will be paid separately).				
50.1	Non load bearing panels 75 mm thick of required size (minimum 5 mm thick fibre cement board Type A, Category III as per IS: 14862:2000 on both faces)	35.00	sqm	1784.40	62454.00
				Total :-	**1984101.00**
	Correction factor on DSR-2023 on A/C of GST @ 0.973 :-				**1930530.00**
	Add cost index @4.03%:-				**77800.00**
				Total (A) :-	**2008330.00**
	Non-Schedule Items				
51	Providing and fixing 16 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels.				
	16 mm thick Granite stone slab of colour black, Cherry/Ruby red in all sizes	10.00	sqm	3951.15	39512.00

52	Granite work gang saw cut (polished and machine cut) of thickness 16 mm for wall lining (veneer work), backing filled with a grout of average 12 mm thick in cement mortar 1:3 (1 cement : 3 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the granite shade (To be secured to the backing by means of cramps, which shall be paid for separately).				
	16mm thick Granite stone slab of black, Cherry/Ruby red	30.00	sqm	6611.11	198333.00
53	Providing and laying vitrified floor tiles matt finish of sizes 600x600x15mm of Kajaria, Varmora, Somany with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.	320.00	sqm	1525.54	488173.00
54	Providing & fixing of 4mm thick ACP panelling in any design & shape on M.S/S.S/Aluminium frame work (up to 10mm height) with the help of necessary screw & adhesive tape and filling the joint with silicon all complete and as per direction of Engineer-in-charge. (Payment shall be made as per finished ACP sheet area and M.S/S.S/Aluminium frame work shall be paid seperately)	110.00	sqm	2986.75	328543.00
55	Painting with DUCO spray paint two or more coats i/c a coat of DUCO putty complete as per direction of Engineer-in-Charge of approved brand and manufacturer to give an even shade	5.00	sqm	1871.80	9359.00
56	Providing and fixing stainless steel 200m (HL KAI) mortice latch and lock of Dorset make or equivalent with 6 levers and a pair of lever handles with knob and key cylinder (60mm) of approved quality with necessary screws etc. complete.	10.00	each	2287.35	22874.00
57	Providing and fixing Premium quality HD polished ceremic wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of size as approved by Engineer -in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.				
	300x600mm	40.00	sqm	1746.20	69848.00
58	P/F C.P. brass Angular stop cock vignette series Cat No. VGP-CHR-81053 of JAQUAR make or equivalent as approved by Engineerin- Charge.	4.00	each	1161.70	4647.00

59	Providing and fixing 5mm thick looking mirror of superior quality (Modiguard and Atul make or equivalent) with 6 mm thick commercial plywood in back of looking mirror & fixed to wooden cleats with C.P. brass screws & washers complete with 30 x 12 mm wide 2nd class teakwood ornamental beading all around the mirror including polishing and fixing with teakwood plug etc. complete as per direction of Engineer-in -charge.	3.00	sqm	2013.65	6041.00
60	Providing and fixing in roof with necessary self tapping screws sandwich panels, total thickness 50 mm, Density of polyurethene foam Density 40+-2 Kg/cum having properties closed cell content not less than 90% , compressive strength 100-210 kpa, tensile strength 150-250 kpa, fire property B3 as per DIN 4102 , K value (thermal conductivity of PU) - 0.019 W/mk , U value 0.380 W/m2 oc , water absorption of the foam not more than 1.0 % of volume , top skin of sandwich panels shall be 0.47 (TCT) prepainted Galvalume of AZ 150, (minimum Yield strength 345 MPa) bottom or internal skin of sandwich panels should be 0.40 mm thick conforming to to AZ 70. The top and bottom skin shall be of JSW/TATA/Bhushan/LLoyd's make and polyurethane foam shall be BASF/Bayer. The Sandwich panel shall conform to DIN 4162 Standards and flame rate as per ASTM E 084 of Class B3 as minimum. The external colour shall have solar reflection index value more than 65.	75.00	sqm	3287.13	246535.00
61	Providing and fixing Stainless steel jali (Grating) of approved make with or without hole etc. complete as per direction of Engineer-in- Charge.	8.00	each	55.40	443.00
62	Taking out the existing steel jaffri frame by replacing with new jaffri and taking out worn out jaffri including cutting the angles, flats and welding etc. and fixing in position complete as per direction of Engineer-in-charge. (New jaffri to be paid separately)	150.00	sqm	184.55	27683.00
63	Providing and fixing full bamboo jaffri with 25 to 40 mm dia. bamboos of required height with 2 nos. second class Kail wood battens of 50x25 mm upto 1200 mm height jaffri and three nos battens when jaffri height is more than 1200 mm nailed to bamboos excluding painting two coats with synthetic enamel paints over a coat of Pink or Grey primer both approved brand etc. complete as per direction of Engineer-in-Charge.	150.00	sqm	718.25	107738.00
64	Dismantling galvanised iron profile sheets including purlins, rafters and trusses etc., and stacking the material within 50 metres lead complete as per direction of Engineer-in-charge.	40.00	sqm	183.00	7320.00

65	Providing and fixing on terrace (at all floor levels) Stainless Steel water storage tank Consisting of 0.8 mm thick external layer of stainless steel grade 304 and 1.00 mm thick inner layer of SS grade 316 having in between 50 mm thick insulation layer of PUF with cover and suitable locking arrangement including making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.Stainless Steel water storage tank of 1500/2000 liter capacity of make Paqos Enjoy Water,Nector,Atlas,Sun Steller, Neropure or equivalent brand and specification duly approved by Engineer-in Charge(The contractor will submit the ten year manufacturer warranty).	3,000.00	Litre	50.25	150750.00
66	Finishing walls with Premium Acrylic Smooth exterior paint of required shade : **(Exterior Paint & primer shall be supplied by deparment free of cost)**				
	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	1200.00	sqm	121.37	145644.00
67	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. **(Putty shall be supplied by department free of cost)**	1800.00	sqm	128.68	231624.00
68	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. (Acrylic Paint shall be supplied by deparment free of cost)				
	Two coats	600.00	sqm	135.92	81552.00
69	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : **(Enamel Paint shall be supplied by deparment free of cost)**				
	Two or more coats on new work	590.00	sqm	137.19	80942.00
70	Providing & placing of Premium Acrylic Smooth exterior paint of Apex ultima of Asian paints, Dulux Weathersheild Max of AKzonobel brand and Manufacture in packing as per direction of Engineer in charge. (Note:- Date of manufacturing of material shall not be older than 3 months from the date of award of this work).	180.00	litre	325.10	58518.00

71	Providing & placing of Acrylic Exterior Primer of Weather coat Exterior Primer of Truecare Exterior Wall Primer of Asian, Smartchoice Exterior Primer of Dulux brand and Manufacture in packing as per direction of Engineer in charge. (Note:- Date of manufacturing of material shall not be older than 3 months from the date of award of this work).	108.00	litre	103.75	11205.00
72	Providing & placing of white cement based putty of Birla Wall Care/JK Wall Care brand and Manufacture in packing as per direction of Engineer in charge. **(Note:- Date of manufacturing of material shall not be older than 3 months from the date of award of this work).**	2700.00	kg	24.10	65070.00
73	Providing & placing of Water thinnable cement primer having VOC content less than 50 grams/ litre of Asian paints, Nerolac paint and Jenson & Nicholson brand and Manufacture in packing as per direction of Engineer in charge. (Note:- Date of manufacturing of material shall not be older than 3 months from the date of award of this work).	44.00	litre	55.25	2431.00
74	Providing & placing of Premium plastic acrylic emulsion paint, having VOC content less than 50 grams/ litre of Royale Luxury emulsion Asian Paint/Velvet Tuch of Dulux Akzonobel brand in packing as per direction of Engineer in charge.(Note:- Date of manufacturing of material shall not be older than 3 months from the date of award of this work).	48.00	litre	541.15	25975.00
75	Providing & placing of synthetic enamel paint of Apcolite lusture finish white of Asian Paints, Dulux gloss of AKzonobel make brand and Manufacture in packing as per direction of Engineer in charge. (Note:- Date of manufacturing of material shall not be older than 3 months from the date of award of this work).	72.00	litre	235.10	16927.00
76	Providing and fixing Stainless steel Towel rack 600 mm long with flap hangers CAT No. AKP-CHR-35781PS of JAQUAR make or equivalent as approved by Engineer-in-Charge.	1.00	each	4114.40	4114.00
77	Providing and fixing Stainless steel spare Toilet Roll Holder continental Series CAT No. ACN-CHR-1155S of JAQUAR make or equivalent as approved by Engineer-in-Charge.	1.00	each	692.55	693.00
78	Providing and fixing Towel ring square with round flange CAT No. -ACN-CHR-1121N of JAQUAR make or equivalent as approved by Engineer-in-Charge.	1.00	each	1325.10	1325.00
79	Providing and fixing C.P. Brass Single Lever Basin mixer without popup waste system with 450mm long Barided Hoses Cat No. VGP-CHR-81011B of Jaquar make or eqvivalent as approved by Engineer in- charge.	1.00	each	4811.60	4812.00

80	Providing and Fixing Glass shelf 600 mm long of JAQUAR make cat No. ACN-CHR-1171N as per direction of Engineer-in-charge.	1.00	each	1450.20	1450.00
81	Providing and fixing Soap dish holder Cat No. ACN-CHR-1131N of JAQUAR make or equivalent as approved by Engineer-in-Charge.	1.00	each	783.20	783.00
82	Providing and fixing CP brass corner glass self with bracket of JAQUAR Make (Cat no ACN-CHR-1173) or equivalent complete as per direction of engineer-in-charge.	1.00	each	1423.75	1424.00
83	Providing and fixing single lever 3 inlet diverter exposed part kit consisting of pertaining lever wall flange & button cat no. VGP-ABR-81193K including concealed body for 3 inlet single lever diverter with button cat no. ALD-193 of JAQUAR make or equivalent as approved by Engineer-in-Charge.	1.00	each	6876.30	6876.00
84	Providing and fixing Shower ARM CASTED 190MM LONG light body round shape for wall mounted shower with flange of Contiental series of JAQUAR Make or equivalent (Cat no SHA-CHR-477) approved make complete as per direction of engineer-in-charge.	1.00	each	678.20	678.00
85	Providing and fixing Two way bib cock with wall flange vignette prime series Cat No. VGP-CHR-81041 of JAQUAR make or equivalent as approved by Engineer-in-Charge.	4.00	each	2326.90	9308.00
86	Providing and fixing Hand shower 95mm dia CAT No. HSH-CHR-1737 of JAQUAR make or equivalent as approved by Engineer-in-Charge.	1.00	each	1458.80	1459.00
87	Providing and fixing Hand shower (Health faucet) 8mm dia 1.2 meter long Allied Series CAT No. ALD-CHR-573 of JAQUAR make or equivalent to as approved by Engineer-in-Charge.	1.00	each	1561.40	1561.00
88	Providing and fixing Overhead shower 100mm dia round shape single flow (ABS Body chrome plated with grey face plate with rubit cleaning system Cat. No. OHS-CHR-1989 of JAQUAR make or equivalent as approved by Engineer-in-Charge.	1.00	each	1475.90	1476.00
89	Providing and fixing CP brass bib cock with wall flange of approved quality vignette prime series (CAT No. -VGP-CHR-81037) of JAQUAR make or equivalent and as per direction of Engineer-in-Charge.	12.00	each	1960.25	23523.00
90	Providing and fixing Hand shower flexible tube 1.5 metre long with nuts in chrome finish of Jaquar make or equivalent (CAT No. SHA-CHR-549D8) as per direction of Engineer-in-Charge.	1.00	each	959.75	960.00

91	Providing and fixing single piece vitreous china water closet seat (Jaquar-WHT-6851S/6851P/6853S) including integrated white viterous flushing cistern with hydrolic seat cover, hinges, fixing accessorried set, cistern fitting of matchin colour and all fittings and fixtures wherever required all complete as per direction of Engineer in charge.	1.00	each	21581.30	21581.00
92	Providing and fixing white vitreous china water closet wall hung ((Jaquar FLS-WHT-5953PPSM) with concealed cistern (jaquar JCS-WHT-2400S) control plate (JCP-CHR-102415) and hydrolic seat cover of matching colour and all fittings and fixtures wherever required.				
	a) White /coloured wall hung with concealed cistern dual flush	1.00	each	18077.10	18077.00
				Total (B) :-	**2527787.00**
				Total (A+B) :-	**4536117.00**

Note:-

1) **Work shall be started on very next day of opening of Tender or after issue of P.G Letter whichever is early if contractor does not start the work @ Rs. 5,000/- per day will be recovered for the period of delay in starting of work upto 3 days and after 3 days P.G will be forfeited by the competent authority. No excuse shall be accepted on this Account.**

2) **This work has to be carried out in compressed time schedule of 30 Days. No extension of time shall be given in this regards. Contractors may quote their rates accordingly.**

3) **If contractor does not start the work after the award of work action shall be taken against the agency as per the para 13.6(o) "ground the debarment of contractor as per Enlistment Rule -2024".**

4) **Since work is to be carried out in VIP area, it may happen that some items of works executed by the contractor may be dismantled due to poor quality as per direction of VIP allottees and work will have to be redone as per choice of allottees for which nothing extra shall be paid.**

5) **Contractor shall submit 100% quantity of finishing materials as per schedule of quantity.**

6) **The Date of manufacturing of finishing material supply by the contractor shall not be older than 3 months from the date of award of this work.**

7) **No excuse of shortage of Labours shall be accepted.**

8) **In exigencies of work Contractor may have to carried out work in other Bungalows/Flats which are not mentioned in the name of work under this agreement.**

9) Warranty letter/certificate from OEM regarding authenticity of product will be produced by contractor along with supply of CP sanitary fitting. No payment shall be made without above said certificate.

10) Material Test Certificate is mandatory in respect of each CP Sanitary fittings along with supply of CP fitting. No payment shall be made without above said certificate.

Assistant Engineer (P)
Parliament Works Division-I,
CPWD, New Delhi

Executive Engineer
Parliament Works Division-I,
CPWD, New Delhi